ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

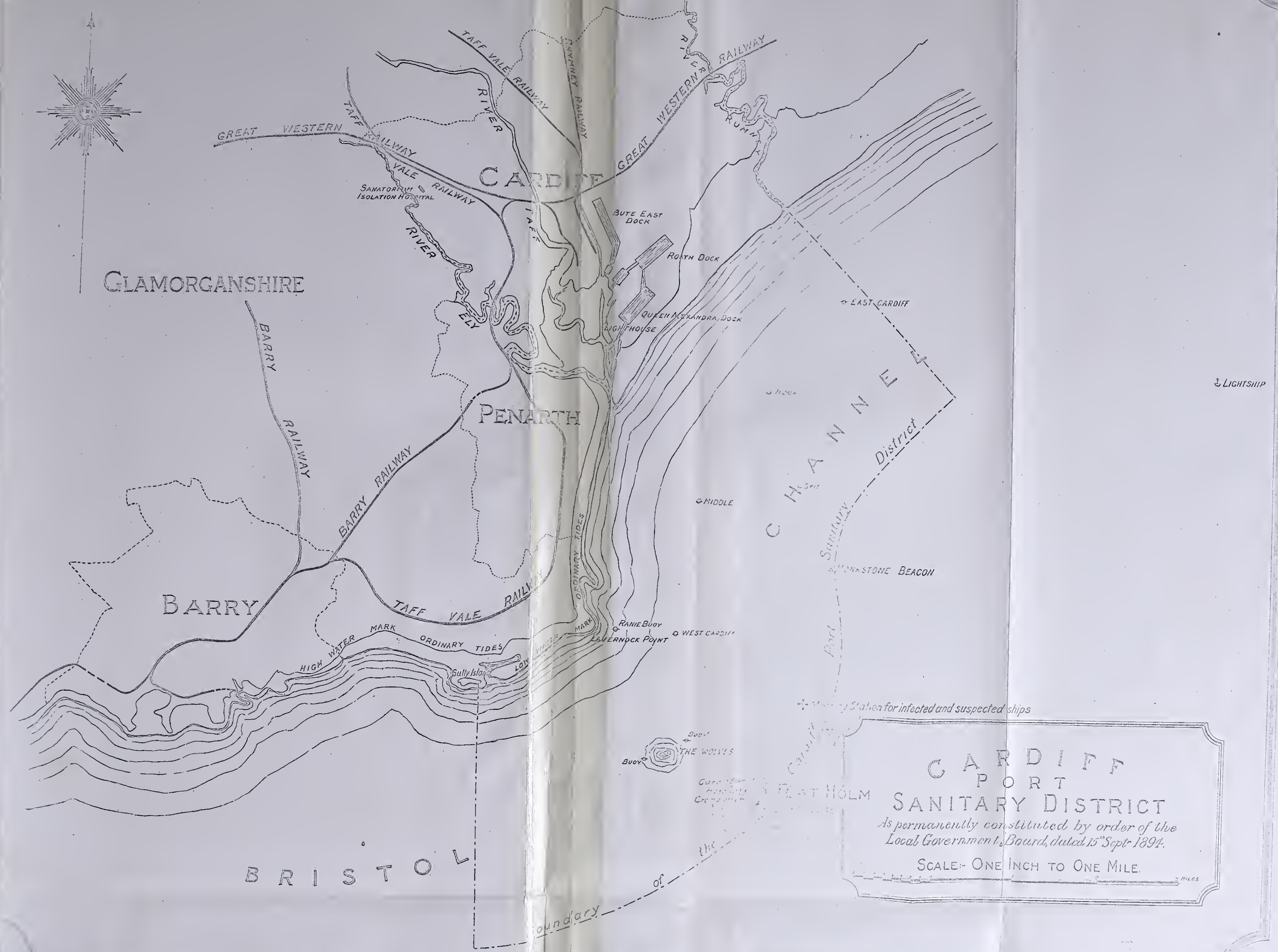
FOR THE

CARDIFF PORT SANITARY AUTHORITY,

FOR THE YEAR 1920.

Printed by order of the Sanitary Authority.

CARDIFF:
S. BISHOP AND CO., LTD., NEW STREET.
1921.



CARDIFF
PORT
SANITARY DISTRICT
As permanently constituted by order of the Local Government Board, dated 15th Sept. 1894.
SCALE:- ONE INCH TO ONE MILE.

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CARDIFF:

S. GLOSSOP AND SONS, LTD., NEW STREET.

1921.

Health and Port Sanitary Committee.

The Lord Mayor :
ALDERMAN JAMES TAYLOR, J.P.

Chairman :
ALDERMAN JAMES ROBINSON, L.R.C.S., L.R.C.P., I., J.P.

Deputy Chairman :
ALDERMAN F. G. L. DAVIS.

ALDERMAN J. A. STONE.
,, J. J. E. BIGGS.
COUNCILLOR C. WALL.
,, C. W. MELHUISH.
,, W. H. RENWICK, J.P.
,, J. A. THOMPSON.

COUNCILLOR R. C. BRITTAN.
,, J. DONOVAN.
,, E. CURRAN.
,, H. HILES.
,, MRS. PARKER.

Medical Officer of Health's Department.

Medical Officer of Health :
EDWARD WALFORD, M.D., D.P.H.

Assistant Medical Officer of Health :
H. SHEASBY, M.B., Ch.B., D.P.H.

Chief Inspector of Nuisances, Inspector under D. of A. Acts, Canal Boats Acts, and Unsound Food Regulations :
DAVID JENKINS, CERTIFICATE AND ASSOCIATE ROYAL SANITARY INSTITUTE.

Senior Assistant Inspector :
S. J. HOLBOURN, CERTIFICATES ROYAL SANITARY INSTITUTE.

Inspector of Meat and other Foods :
A. J. E. SCOTT, CERTIFICATES ROYAL SANITARY INSTITUTE.

F. WOOD,	ASSISTANT	INSPECTOR	OF NUISANCES.	CERTIFICATES ROYAL SANITARY INSTITUTE.
J. J. MORGAN	,,	,,	,,	CERTIFICATE ROYAL SANITARY INSTITUTE.
D. A. JENKINS	,,	,,	,,	
J. DAVIES	,,	,,	,,	
T. D. HILL	,,	,,	,,	CERTIFICATE ROYAL SANITARY INSTITUTE.
W. J. DAVIES	,,	,,	,,	
J. A. GLOVER	,,	,,	,,	CERTIFICATES ROYAL SANITARY INSTITUTE.
S. MELLINGS	,,	,,	,,	CERTIFICATE ROYAL SANITARY INSTITUTE.
A. J. BROWNE	,,	,,	,,	CERTIFICATE ROYAL SANITARY INSTITUTE.

Clerk :
M. J. KELLEHER.

Motor Ambulance Driver :
E. SHEEHY.

Caretaker Flat Holm Hospitals :
F. HARRIS.

Cardiff Port Sanitary Authority.

31, LOUDOUN SQUARE,
CARDIFF,
March, 1921.

To the Chairman and Members of the Cardiff Port Sanitary Authority.

GENTLEMEN,

I have the honour to submit to you my Annual Report for the year 1920.

The Port Sanitary District of Cardiff was constituted in the year 1882, by a Provisional Order of the Local Government Board, which was subsequently confirmed by Parliament.

By a Provisional Order, dated 27th July, 1893, the limits of Jurisdiction of the Cardiff Port Sanitary Authority were extended, and on the 15th September, 1894, an order of the Board was issued permanently constituting the Authority. This Order came into operation on the 9th November, 1894, and contains the following provisions :—

SECTION I.—
CONSTITUTION OF THE PORT SANITARY AUTHORITY.

ARTICLE 1.—This Order shall come into operation on the Ninth day of November, One Thousand Eight Hundred and Ninety-four, unless it shall become Provisional, and until this Order comes into operation the said Order dated the Twenty-seventh day of July, One Thousand Eight Hundred and Ninety-three shall continue in force.

ARTICLE 2.—The Mayor, Aldermen, and Burgesses of the said Borough of Cardiff, acting by the Council as the said Urban Sanitary Authority, shall be permanently constituted the Port Sanitary Authority for the part of the said Port of Cardiff, hereinafter described.

ARTICLE 3.—The Port Sanitary Authority may from time to time appoint Committees consisting of Members of such Authority for the exercise of any powers, which, in the opinion of such Authority, can be properly exercised by Committees, but the acts of every such Committee shall, unless otherwise directed by the Port Sanitary Authority, be submitted to such Authority for approval.

Provided that a Committee so appointed shall in no case be authorised to borrow money or to issue any precept for contributions, or to enter into any contract, and it shall be subject to the provisions of Part IV., of the First Schedule of the Local Government Act, 1894, so far as they are applicable.

SECTION II.—LIMITS OF JURISDICTION.

ARTICLE 4.—The jurisdiction of the said Port Sanitary Authority shall extend to so much of the said Port of Cardiff as is comprised within the following lines, that is to say :—

> A straight line drawn south from the seaward extremity of the common boundary of the Parishes of Sully and Lavernock to the boundary of the said Port and a line following and coincident with the boundary of the said Port from its commencement at the River Rumney to the point at which the straight line firstly hereinbefore mentioned meets such boundary.

together with the water of the said Port of Cardiff within such limits, and the place or places for the

time being appointed as the Customs Boarding Station or Stations for such part of the said Port, and every other place for the time being appointed for the mooring or anchoring of ships for such part of the said Port under any regulations for the prevention of the spread of diseases issued under the authority of the Statutes in that behalf, and the docks, basins, harbours, creeks, rivers, channels, roads, bays, and streams belonging to such part of the said Port.

SECTION III.—ASSIGNMENT OF POWERS, &c.

ARTICLE 5.—For the purpose of this Order the following Sections of The Public Health Act, 1875, the Public Health (Officers) Act, 1884, the Public Health (Ships, &c.) Act, 1885, the Public Health (Members and Officers) Act, 1885, and the Public Health Acts Amendment Act, 1890, shall apply; and the Port Sanitary Authority shall have, exercise, perform, and be subject to, all the powers, rights, duties, capacities, liabilities, and obligations of an Urban Sanitary Authority under the same Sections, so far as those Sections are applicable to waters within the jurisdiction of such Port Sanitary Authority, or to ships coming or being within the said jurisdiction, or to persons upon any such ship or brought by any such ship within the said jurisdiction, or to goods or things upon any such ship, or to goods or things landed from any such ship, and being within the said jurisdiction, and which in the opinion of the said Authority, or their Medical Officer of Health requires to be disinfected or destroyed, namely:

Of the Public Health Act, 1875:—

Section 70, relating to Polluted Water.

Sections 91 to 111, both inclusive, relating to Nuisances.

Sections 120 to 123, both inclusive, relating to Infectious diseases and Hospitals.

Sections 134 to 140, both inclusive, as to the prevention of Epidemic Diseases.

Sections 141 and 142, relating to Mortuaries.

Sections 173 and 174, relating to Contracts.

Sections 175, 176 and 177, relating to Purchase of Lands.

Sections 179, 180 and 181, relating to Arbitration.

Sections 182 to 186, both inclusive, and Section 188, relating to Bye-laws.

Section 189 (except as regards the Offices of Surveyor and Collector), Sections 191 to 196, both inclusive, and Sections 197, 198, 205 and 206, relating to Officers and Conduct of Business of Local Authorities.

Sections 236 to 239, both inclusive, relating to Mortgages

Sections 245, 247 (as amended by the District Auditors Act, 1879), 249 and 250 relating to Audit.

Sections 251 and 253 to 258, inclusive, and Section 269 (as amended by the Summary Jurisdiction Act, 1884), relating to Legal Proceedings.

Section 278, relating to Settlement of Disputes as to Boundaries.

Sections 299 to 302, both inclusive, relating to Defaulting Local Authorities.

Sections 305 to 310, both inclusive, relating to miscellaneous Provisions.

Sections 327, 328, and 329, being Saving Clauses.

Of the Public Health (Officers) Act, 1884:—
Section 2.

Of the Public Health (Ships, etc.) Act, 1885:—
Section 2.

Of the Public Health (Members and Officers) Act, 1885 :—
Section 2.

Of the Public Health Acts Amendment Act, 1890 :—
Section 3, so far as it enables an Urban Sanitary Authority to adopt Section 48.

Provided as follows :—

(1). Nothing herein contained shall affect the powers of any Riparian Authority, except as to such waters, ships, persons and things as above mentioned.

(2). In this Article the term "ship" includes vessel or boat.

The Regulations of the Local Government Board prescribe, with regard to the Medical Officer of Health :—

"That he shall prepare an annual report, to be made to the end of December, "in each year, comprising tabular statements so far as he shall have been able "to obtain the necessary information, of the sickness and mortality of persons "on ship-board within the district, classified according to diseases, ages, and "vessels, and a summary of the action taken during the year for preventing the "spread of disease. The report shall also contain an account of the proceedings "in which he has taken part or advised under the Public Health Act, 1875, so "far as such proceedings relate to conditions dangerous or injurious to health, "and also an account of the supervision exercised by him, or on his advice, for "Sanitary purposes over places and vessels that the Port Sanitary Authority "has power to regulate, with the nature and results of any proceedings which "may have been so required and taken in respect of the same during the year."

This report is therefore made in accordance with the above quoted regulations.

The following Table gives the area of the Docks within the District of the Cardiff Port Sanitary Authority :—

TABLE I.

	Bute West Dock.	Bute East Dock.	Roath Dock.	Queen Alexandra Dock.	Penarth Dock.	Penarth Tidal Harbour	
Width of sea gate	45ft.	55ft.	80ft.	90ft.	60ft.		Width of sea gate
Basin ...	300ft. by 200ft.	380ft. by 250ft.	1,000ft. by 550ft.		400ft. by 330ft.		Basin
Lock ...	152ft. by 36ft.	220ft. by 55ft. Sea Lock 200ft. by 50ft. Inner Lock	350ft. by 80ft. Sea Lock 600ft. by 80ft. Inner Lock	850ft. by 90ft.	270ft. by 60ft.		Lock
Dock ...	4,000ft. by 200ft.	3,300ft. by 500ft. 1,000ft. by 300ft. Total length 4,300ft.	2,400ft. by 600ft.	2,550ft long 800 & 1,000 ft. wide	2,900ft. by 370ft.	North side Total length 13,000ft. South side 3,000ft.	Dock
Depth of Water in Dock	19ft. and 13ft. 6in.	25ft.	30ft to 36ft.	33ft. to 39ft. 6in.	30ft. to 36ft.	From 20ft. to 30ft.	Depth of Water in Dock.
Depth of Water on Sill (Spring tide)	28ft. 6in.	31ft. 6in.	36ft.	42ft.	36ft.		Depth of Water on Sill (Spring tide)
Do. do. (Neap tide)	18ft. 6in.	21ft. 6in.	26ft.	32ft.	26ft.		Do. do. (Neap tide)
No. of coal staiths for shipment of coal	12	15	Roath [illegible] 4 fixe[illegible] mova[illegible]s. Roa[illegible]k 11 [illegible]e coal [illegible]nes a[illegible]ps.	6 movable tips, and 8 movable coaling cranes.	19	5	No. of coal staiths for shipment of coal.
Water area.	Basin 1½ acres. Dock 18 acres.	Basin, 2¼ acres. Dock, 44 acres.	[illegible]in, [illegible]res. [illegible], 33 [illegible]res.	52 acres.	Basin, 3 [illegible]s. [illegible] 23 [illegible].	26 acres.	Water area.

The following Table gives particulars of vessels and tonnage, foreign and coastwise, entering the Cardiff Port Sanitary District, kindly supplied to me by H.M. Collector of Customs.

TABLE II.

YEARS.	Number of Vessels.		Total No. of Vessels Foreign and Coastwise.	Tonnage.		Total Tonnage Foreign and Coastwise inwards.
	Foreign.	Coastwise.		Foreign.	Coastwise.	
1900	3,212	8,858	12,070	3,127,985	2,850,479	5,978,464
1901	2,829	8,755	11,584	2,917,948	2,750,335	5,668,283
1902	2,763	9,337	12,100	2,729,563	2,953,915	5,683,478
1903	2,544	9,130	11,674	2,821,927	2,976,901	5,798,828
1904	2,370	8,635	11,005	2,563,188	3,178,989	5,742,177
1905	2,437	9,959	12,396	2,662,128	3,252,663	5,914,791
1906	2,790	9,306	12,096	3,386,347	3,236,673	6,623,020
1907	3,018	8,798	11,816	3,799,249	3,163,622	6,962,871
1908	2,890	8,163	11,053	3,675,274	2,821,260	6,496,434
1909	2,846	8,400	11,246	3,788,643	3,017,152	6,805,795
1910	2,925	9,340	12,265	3,719,987	3,371,362	7,091,349
1911	2,864	8,991	11,855	3,840,594	3,088,173	6,928,767
1912	3,013	8,009	11,022	3,954,927	3,444,446	7,399,373
1913	3,329	7,806	11,135	4,458,875	3,610,470	8,069,345
1914	2,943	7,423	10,366	4,125,437	3,794,786	7,920,223
1915	3,342	6,401	9,743	3,044,111	3,862,154	6,906,265
1916	5,604	6,913	12,517	5,776,910	5,540,249	11,317,159
1917	3,294	3,518	6,812	2,830,083	903,302	3,733,385
1918	3,414	5,270	8,684	2,847,264	2,800,559	5,647,823
1919	3,622	5,515	9,137	3,380,973	2,421,154	5,802,127
1920	2,914	8,385	11,299	2,480,977	3,261,803	5,742,780

INFECTIOUS DISEASES.—During the year under consideration, the Minister of Health made and issued new regulations under Section 130 of the Public Health Act, 1875, relating to Infectious Diseases, which came into operation on the 1st August, 1920, and which extended and modified to some extent the powers and duties which the Port Sanitary Authority already possessed under the Regulations which they had made under Section 125 of the Public Health Act, 1875.

These new Regulations are designated "The Port Sanitary Authorities (Infectious Diseases) Regulations, 1920," and the provisions contained in them are in addition to and not in derogation of the provisions of previous Regulations made by the Local Government Board and at present in force with respect to the powers and duties of Sanitary Authorities and of Medical Officers of Health.

The Regulations apply to any epidemic or acute Infectious Disease, and are not restricted to those specifically mentioned in Regulations previously made by the Board or the Sanitary Authority.

The following is an extract of the principal provisions of the Regulations of 1920:—

3.—For the purposes of these Regulations the Medical Officer of Health shall have power to enter or board any ship, and may cause the ship to be brought to, and, if necessary, moored or anchored in some safe and convenient place while it is visited and examined.

4. The Medical Officer of Health may, and if so required by the Sanitary Authority or by the Minister shall,—

(*a*) examine any person who is suffering from infectious disease on board a ship;

(*b*) examine any person who is on board a ship, where he has reasonable grounds for believing or suspecting that infectious disease is or may be present on the ship, or that persons on board the ship have been exposed to infection from infectious disease during the voyage of the ship or during a period of three weeks immediately preceding the arrival of the ship in the district.

(*c*) examine any person on board a ship who is reasonably believed to be verminous ;

(*d*) detain for the purpose of examination either upon the ship or at some appointed place on shore any person whom he is empowered or required under this Article to examine ;

(*e*) cause any such person and the clothing of or any other articles belonging to such person to be cleansed and disinfected ;

(*f*) prohibit any such person from leaving the ship, or from leaving the ship save upon such conditions as may be specified in writing by the Medical Officer of Health and appear to him to be reasonably necessary to prevent the spread of infection in the district or elsewhere ;

(*g*) require the master to take or assist in taking such steps as, in the opinion of the Medical Officer of Health, are reasonably necessary to prevent the spread of infection by any such person, and for the removal of conditions on the ship likely to convey infection, including the destruction of vermin, and the removal of conditions which harbour vermin ;

Provided that any directions given by the Minister to the Medical Officer of Health under this Article shall be forthwith communicated to the Sanitary Authority.

5.—(1) That the Medical Officer of Health may cause any person on the ship who is suffering from infectious disease to be removed, if his condition so permits, to some hospital or other suitable place appointed for that purpose by the Sanitary Authority.

(2) If the condition of any such person does not permit of his removal as aforesaid, the Medical Officer of Health may by notice in writing to the master prohibit his removal or departure from the ship save with the consent in writing of the Medical Officer of Health.

6.—The *Master of any ship shall—

(*a*) notify forthwith the Medical Officer of Health of any case of †infectious disease on the ship, and of any circumstances on board the ship likely to lead to infection or the spread of infectious disease, including the sanitary condition of the ship and the presence of dead rats or mortality or sickness among rats in the ship ;

(*b*) furnish the Sanitary Authority and the Medical Officer of Health with all such information as may be reasonably required by them for the purposes of these Regulations ;

(*c*) comply with any directions or requirements of the Sanitary Authority or the Medical Officer of Health given or made in pursuance of these Regulations ;

(*d*) give all such assistance to the Sanitary Authority or the Medical Officer of Health as may be reasonably required by them in the execution of their duties in pursuance of these Regulations.

7. Every person on board a ship shall comply with all directions, requirements or conditions given, made or imposed by the Sanitary Authority or the Medical Officer of Health in pursuance of these Regulations, and shall furnish all such information as may be reasonably required by them (including information as to his name, destination and address), and where any person has for the time being the custody or charge of a child or other person on board a ship who is under disability he shall comply with any directions or requirements so given or made, and shall furnish all such information as aforesaid, in respect of such child or other person.

8. The Sanitary Authority may for the purposes of these Regulations, and if so required by the Minister shall,—

(*a*) appoint one or more duly qualified medical practitioners for the purpose of assisting the Medical Officer of Health in the performance of his duties and pay any such practitioner such reasonable remuneration for his services as the Minister may approve ;

(*b*) appoint or employ with the approval of the Minister such other persons as they may think fit to exercise or perform under the direction of the Medical Officer of Health or otherwise such powers and duties as the Sanitary Authority may assign to them ;

(*c*) provide or arrange for the provision of—

(i) premises and waiting rooms for the purposes of medical examination ;

(ii) apparatus or means for the cleansing and disinfection of ships, persons, clothing, and other articles ;

(iii) premises for the temporary accommodation of persons for whom such accommodation is required for the purposes of these Regulations ;

(iv) hospital accommodation for persons to whom these Regulations are applicable ;

(v) means of transport ;

* "Master" includes a pilot, officer or any other person for the time being in charge or command of a ship.

† "Infectious Disease" means any epidemic or acute infectious disease.

(*d*) do all such other things as in the opinion of the Sanitary Authority or of the Minister, as the case may be, are necessary for the purpose of enabling the provisions of these Regulations to be complied with.

9.—Article 3 of the Port Sanitary Authorities (Assignment of Powers) Order, 1912 (*a*) (which relates to the cleansing of berths and cabins), shall be extended so as to apply to the whole of any ship or to any part thereof.

The following notices in pamphlet form relating to the new Regulations are given by the Port Inspectors, to the Masters or persons in charge of ships entering the port and to the Officers of H.M. Customs, Dock Officials and Pilots acting within the district of the Port Sanitary Authorities

These will shortly be translated into several modern languages.

CARDIFF PORT SANITARY AUTHORITY

The Port Sanitary Authorities (Infectious Diseases) Regulations, 1920, Dated July 14th, 1920.

To the Master or Officer in Charge of a Ship.

Every Master or other person in charge of a ship arriving in the Port of Cardiff shall—

(*a*) notify forthwith the Medical Officer of Health of any case of Infectious Disease on the ship, and of any circumstances on board the ship likely to lead to infection or the spread of infectious disease, including the sanitary condition of the ship and the presence of dead rats or mortality or sickness among rats in the ship.

(*b*) furnish the Sanitary Authority and the Medical Officer of Health with all such information as may be reasonably required by them for the purposes of these Regulations ;

(*c*) comply with any directions or requirements of the Sanitary Authority or the Medical Officer of Health given or made in pursuance of these Regulations ;

(*d*) give all such assistance to the Sanitary Authority or the Medical Officer of Health as may be reasonably required by them in the execution of their duties in pursuance of these Regulations ;

(*e*) take or assist in taking such steps as, in the opinion of the Medical Officer of Health, are reasonably necessary to prevent the spread of infection by any such person, and for the removal of conditions on the ship likely to convey infection, including the destruction of vermin, and the removal of conditions which harbour vermin.

With a view of removing local conditions known to favour the spread of Infectious Diseases, the Masters of Vessels are requested to see to the following, viz. :—

1.—That all water supplied to ships for drinking purposes is of good quality.

2.—That all receptacles in which water is stored on ship board are of suitable material (iron is best) and that they are kept thoroughly clean.

3.—That all water closets are well flushed and kept clean at all times and that they are from time to time sprinkled with carbolic acid or some other deodorant.

4.—That no bilge water, refuse or offensive material is allowed to accumulate or putrify on board ; and that all places wherein such matters are liable to be deposited are kept at all times thoroughly sweet and clean.

5.—That no berth, forecastle, etc., is overcrowded.

6.—That steps are taken to destroy rats and mice on board ship in conformity with the Regulations.

Notification of disease on board ship must be sent to the Medical Officer at his Office, 31, Loudoun Square, Cardiff, or may be given by the Master on the arrival of the ship in the Port to the Boarding Officer of the Port Sanitary Authority on the form of Certificate supplied to him.

NOTE.—By Section 1 (3) of the Public Health Act, 1896, any person who wilfully neglects or refuses to obey or carry out, or obstructs the execution of any regulation made under Section 130 of the Public Health Act, 1875, or under that Section as extended to London by the Public Health (London) Act, 1891, or as amended by the Public Health Act, 1896, is liable to a penalty not exceeding ONE HUNDRED POUNDS, and in the case of a continuing offence to a further penalty not exceeding FIFTY POUNDS for every day during which the offence continues.

(Signed) E. WALFORD,

Medical Officer of Health,

City and Port of Cardiff.

During the year 1920, 77 Notifications of Infectious Diseases were received, made up as follows :—

Continued Fever	2
Diphtheria	4
Dysentery	2
Erysipelas	5
Malarial Fever	14
Pneumonia, Primary	21
Pneumonia, Influenzal	5
Relapsing Fever	1
Small Pox	1
Tuberculosis	14
Typhoid Fever	8
Total	77

PORT SANITARY INQUIRY.—The Town Clerk reported as follows :—

On the 10th November, 1920, a Medical Officer attached to the Ministry of Health, visited Cardiff and held an inquiry into the Port Sanitary Administration. He pointed out that the Ministry were very anxious regarding Plague Cases in the Mediterranean, and steps necessary to prevent the introduction thereof into this country.

He pointed out the wide powers given to Port Sanitary Authorities by the Cholera, Plague and Yellow Fever Order and last but not least, by the Port Sanitary, Infectious Diseases Regulations of 1920.

There was, at the present time, a great amount of Typhus Fever raging in Europe, this also required preventative measures so far as this Country was concerned.

The Ministry had come to the conclusion that a large proportion of the Port Sanitary Services now required were national in character, and further it had been decided to make provision for the payment of one half of the approved expenditure of such Authorities.

The following recommendations were submitted by the Ministry for the consideration of the Port Sanitary Authority, viz. :—

(1) The Assistant Port Medical Officer of Health should devote at least one half of his time to Port Sanitary work. The services of general practitioners should only be employed in case of emergency.

(2) The Ministry have noted with satisfaction the steps taken by the Port Sanitary Authority to deal with rats. The Ministry consider that, in view of the danger of the introduction of Plague by means of infected rats from ships, continued and special attention should be paid to the organisation and carrying out of measures for the extermination of rats in docks, wharves and warehouses as well as on board ship.

(3) In view of the danger at the present time of Cholera, Plague and Typhus Fever being brought to the Port by vessel from "foreign" the Ministry are of opinion that the Port Medical Officer of Health should prepare, from time to time and as often as may be necessary, and transmit in writing to the officers of the Customs and Pilots, lists of ports from which he wishes to visit ships on their arrival at Cardiff.

The Inquiry was attended by the Chairman of the Port Sanitary Committee and the Medical Officer of Health.

The Committee recommended that :—

In order to carry out the suggestions of the Ministry of Health regarding the Port work and also their suggestions regarding Venereal Diseases (at the Seamen's Hospital), that the duties and salary of Dr. Sheasby be re-arranged and altered as follows :—(*a*) That instead of appointing

an additional medical officer as suggested by the Ministry, the duties of Dr. Sheasby, the Assistant Medical Officer, be altered so as to comprise the necessary work, and that his salary be apportioned as follows: £450, Education; £300, Port and V.D.; (*b*) That the Medical Officer of Health be desired to carry out recommendations Nos. 2 and 3 of the Ministry of Health.

PREVENTION AND TREATMENT OF VENEREAL DISEASE.

Regulations relating to this disease were made by the Local Government Board on the 12th July, 1916, enabling the Local Authority to make arrangements with the Managers of hospitals approved by the Board for the treatment of Venereal Disease.

A further letter was issued with respect to the treatment of sailors coming within the jurisdiction of Port Sanitary Authorities.

In accordance with a scheme submitted to the Board by the Local Authority, arrangements were made with the Managers of the Royal Hamadryad Seamen's Hospital for the treatment of Venereal Disease amongst sailors as an out-patient and as in-patient.

The date of the commencement of this work at the hospital was April 16th, 1917.

The following Table shews the number of cases of Venereal Disease dealt with at the Clinic during the year 1920.

TABLE III.

1920	Number of persons attending for the first time (Males)	Total Attendances (Males)	Aggregate number of in-patient days (Males)
1st Quarter ...	315	3,320	1,158
2nd Quarter ...	296	3,009	1,101
3rd Quarter ...	301	3,079	1,196
4th Quarter ...	322	3,464	1,224
Total for year ...	1,234	12,872	4,679

SCABIES.—During the year 90 cases of Scabies amongst seamen were treated at the Corporation Cleansing and Disinfecting Station.

INFLUENZA AND PNEUMONIA.—During the year, Influenza and Pneumonia were prevalent on board ships arriving in the port, and those lying in the various docks. In all cases patients were medically treated, and in most cases they were removed to Hospitals in the motor ambulance.

The spaces occupied on board by the sick persons, together with their effects, were disinfected by the Officers of the Port Sanitary Authority, under the supervision of the Medical Officer of Health.

Table shewing the number of cases of disease dealt with during the year as having occurred on board ship during the voyage or during the vessel's stay in port.

TABLE IV.

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
Jan. 5	s.s. "Pretoria" ... (British)	... ... (Malarial Fever) (Secondary)	Notification received from the Seamen's Hospital that W.W.G., 39 years, a fireman, was suffering from Malarial Fever. He was admitted on December 23rd, 1919, from a boarding house in the City, having left his ship at Glasgow. Bed and bedding from the Hospital, also effects, disinfected.
„ 6	s.s. "Perregaux" ... (French)	Nantes ... ... (Broncho-Pneumonia)	The Master reported that C.B., 27 years, 1st Officer, was ill on board. He was medically attended and found to be suffering from Broncho-pneumonia and was removed to a nursing home for treatment. His berth was disinfected. Crew examined by Deputy Medical Officer of Health.
„ 16	"Ekelund" ... (Norwegian)	Melbourne ... ... (Diphtheria)	Notification received from the Seamen's Hospital that O.L., 30 years, A.B., was suffering from Diphtheria. He was forthwith removed to the City Isolation Hospital. His effects and berth disinfected. Patient joined the ship at Cardiff on January 5th, after staying two weeks at a boarding house at Barry. Crew examined by Deputy Medical Officer of Health.
„ 16	s.s. "Hansa" ... (British)	... ... (Typhoid Fever)	Notification received from the Seamen's Hospital, that H.C., 24 years, a fireman, was suffering from Typhoid Fever. He was admitted into Hospital on January 1st. from a boarding house in the City, having left his ship at another port. He died on January 21st. His effects, bed and bedding from the Hospital were disinfected.
„ 16	s.s. "Greenwich" ... (British)	... ... (Primary Pneumonia)	Notification received from the Seamen's Hospital, that A.G., 31 years, an A.B., was suffering from Primary Pneumonia. He was admitted into hospital on January 15th, his vessel lying at Barry Dock. He died on January 17th. His effects, together with bed and bedding from the hospital were disinfected.
„ 20	s.s. "Trevelyan" ... (British)	Blyth & London ... (Typhoid Fever)	The Master reported on arrival at Penarth Dock, at 7.15 p.m., that J.C., 50 years, donkeyman, was ill. He was medically attended and notified to be suffering from Typhoid Fever. He was removed to the City Isolation Hospital the following morning, but died on arrival there. His effects, also berth, were disinfected and a sample of the drinking water was submitted for bacteriological examination, which proved to be contaminated. The water tanks were emptied and cleansed and a fresh supply taken on board.
„ 21	s.s. "Ninive" ... (British)	Antwerp ... ... (Chicken Pox)	The Master reported on arrival at Roath Dock, that G.H., 38 years, saloon boy, was ill. Medically examined by Deputy Medical Officer of Health and found to be suffering from Chicken Pox. He was isolated and medically treated on board. No other case occurred. His effects and berth were afterwards disinfected.

TABLE IV.—*continued.*

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
Jan. 23	s.s. "Bristol" ... (American)	Hamburg ... ... (Diphtheria)	The Master reported that J.G., 19 years, an A.B., was ill on board. He was medically attended; notified to be suffering from Diphtheria and forthwith removed to the City Isolation Hospital. His effects also berth were disinfected. Crew examined by Deputy Medical Officer of Health.
„ 29	s.s. "Ninive" ... (British)	Antwerp ... ... (Primary Pneumonia)	Notification received from the Seamen's Hospital, that P.I., 25 years, a fireman, was suffering from Primary Pneumonia. He was admitted on January 24th. Vessel lying in the Roath Dock. Bed, bedding and effects disinfected.
...	s.s. "Atlantic City" (British)	Havre ... ... (Primary Pneumonia)	Notification received from the Seamen's Hospital, that W.B., 47 years, a fireman, was suffering from Primary Pneumonia. He was admitted on January 23rd, from Barry Dock. His effects, bed and bedding were subsequently disinfected.
Feb. 13	"Oceanide" ... (French)	Morlaix ... ... (Influenzal-Pneumonia)	Notification received from a Medical Practitioner in the City, that J.N., 49 years, Master, was ill on board, suffering from Influenzal-Pneumonia. The vessel arrived in dock on January 26th. He was treated on board and his berth was subsequently disinfected.
Feb 17	s.s. "Faro" ... (Portuguese)	Syracuse ... ... (Influenzal-Pneumonia, Tuberculosis & Rheumatism)	The Master reported on arrival at Queen Alexandra Dock, that the vessel left Syracuse on February 1st, and just after leaving that Port, J.H.J., 31 years, a fireman, was taken ill and died on the 5th, from Influenzal-Pneumonia. Arrived at Gibraltar on the 5th, where the body was landed for burial. The vessel proceeded to Cardiff and on arrival the crew were medically examined and on the following day A.J.E.C., 16 years, O.S. was notified to be suffering from Tuberculosis and P.A.A., a greaser, suffering from Rheumatism. A.J.E.C., was removed to Glan Ely Tuberculosis Hospital for treatment, and P.A.A. to the Royal Hamadryad Seamen's Hospital. The forecastles and men's effects were disinfected. Crew were medically inspected by Deputy Medical Officer of Health.
„ 18	s.s. "Svartfond" ... (Norwegian)	Nantes ... ... (Primary Pneumonia)	Notification received from the Seamen's Hospital, that E.B., 26 years, an A.B., was suffering from Primary Pneumonia. He was admitted on February 3rd, from the s.s. "Svartfond," lying in the Roath Dock. The vessel had sailed previous to receiving notification. His effects together with bed and bedding were subsequently disinfected.
„ 18	s.s. "Dalgada" ... (American)	Bordeaux ... ... (Primary Pneumonia)	Notification received from the Seamen's Hospital, that J.K., 19 years, A.B., was suffering from Primary Pneumonia. He was admitted on February 4th, the vessel lying in the East Bute Dock. The vessel had sailed previous to receiving notification. His effects together with bed and bedding were subsequently disinfected.

TABLE IV.—*continued.*

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
Feb. 18	s.s. "Nagy Lagos" (French)	Calais ... ... (Tuberculosis)	Notification received from the Seamen's Hospital, that E.P., 27 years, A.B., was suffering from Tuberculosis. He was admitted on February 13th. His effects and forecastle were disinfected. He was discharged and rejoined the ship on sailing. Bed and bedding from the Hospital disinfected.
,, 24	s.s. "Alf" ... ... (Norwegian)	Brest ... ... (Rheumatism)	The Master reported that G.L., 25 years, a fireman, was ill on board. He was medically attended and found to be suffering from Rheumatism and was removed to the Royal Hamadryad Seamen's Hospital for treatment.
,, 27	s.s. "Siam" ... (French)	Brest ... ... (Dysentery)	Notification received from the Seamen's Hospital, that F.M., 35 years, 3rd Engineer, was suffering from Dysentery. He was admitted into Hospital on January 31st, and the vessel sailed previous to receiving notification.
Mar. 1	... ...	... ... (Measles)	On this date I received information from the Seamen's Hospital, that C.S., 31 years, an A.B., was suffering from Measles. He was forthwith removed to the City Isolation Hospital. He arrived at Cardiff on February 19th, from his home (Shetland Islands) and stayed at the Sailors' Home. His effects, also bed and bedding from Sailors' Home, were disinfected.
,, 1	s.s. "Huntsend" ... (British)	Devonport ... ... (Influenza)	This vessel arrived after landing troops at Devonport, from Bombay (*via* Port Said), amongst whom several cases of Influenza had occurred. Application was made for the disinfection of troop decks.
,, 10	s.s. "Beckenham" (British)	Liverpool ... ... (Influenzal-Pneumonia)	Notification received from a Medical Practitioner in the City that D., 23 years, 3rd Officer, was suffering from Influenzal-Pneumonia. He was removed to a nursing home and his effects and berth disinfected.
,, 11	s.s. "Grelcaldy" (British)	South Shields ... (Erysipelas)	Notification received from a Medical Practitioner in the City, that F.G.R., 43 years, 1st Engineer, was suffering from Erysipelas. He was forthwith removed to the City Isolation Hospital. His berth and effects disinfected.
,, 13	s.s. "Jessie" ... (Norwegian)	Bilbao ... ... (Influenza)	The Master reported that C.A., 26 years, a fireman, was ill on board. He was medically attended, found to be suffering from Influenza and removed to the Seamen's Hospital for treatment.
,, 15	s.s. "Solli" ... ... (Norwegian)	Fecamp ... ... (Tuberculosis)	Notification received from the Seamen's Hospital, that A.M.W., 43 years, 3rd Engineer, was suffering from Tuberculosis. He was admitted on March 8th, and died on the 25th. His effects, together with bed and bedding were disinfected. Vessel sailed previous to receiving notification.

TABLE IV.—*continued.*

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
Mar. 15	s.s. "Gulhaug" ... (Norwegian)	Rouen ... ... (Tuberculosis)	Notification received from the Seamen's Hospital, that F.B., 31 years, a fireman, was suffering from Tuberculosis. He was admitted January 27th, and died on March 22nd. His effects, together with bed and bedding were disinfected. Vessel sailed previous to receiving notification.
.. 17	s.s "Velour" ... (French)	... . (Relapsing Fever)	Notification received from the Seamen's Hospital, that A.N.L., 35 years, A.B., was suffering from Relapsing Fever. He was admitted February 21st, the vessel lying at Barry Dock. He died March 17th. His effects, together with bed and bedding, were disinfected. Medical Officer of Health, Barry, notified.
17	s.s. "Victoria De Larrinaga" ... (British)	Manchester ... ... (Typhoid Fever)	Notification received from the Seamen's Hospital, that T.M., 33 years, an A.B., was suffering from Typhoid Fever. He was admitted on February 6th, the vessel lying in the Queen Alexandra Dock. He died on March 19th. His effects, together with bed and bedding, were disinfected. Vessel sailed previous to receiving notification.
17	s.s. "Cormount" ... (British)	Portsmouth ... ... (Influenzal-Pneumonia)	Notification received from a Medical Practitioner in the City that W.S.S., 30 years, 1st Engineer, was suffering from Influenzal-Pneumonia, the vessel lying in the Queen Alexandra Dock. He was removed to a nursing home for treatment and his berth disinfected.
19	s.s. "Rosina" (Greek)	Smyrna *via* Gibraltar (Influenza)	The Master reported on arrival at Mount Stuart Dry Dock, that E.S., 1st Engineer, was ill on board. He was medically attended and found to be suffering from Influenza and was removed to a nursing home for treatment.
20	s.s. "Asgard" ... (British)	Buenos Aires to Hull (Primary Pneumonia)	Notification received from the Seamen's Hospital, that J.W., 28 years, a fireman, was suffering from Primary Pneumonia. He had left his ship at Hull and was admitted into hospital on March 15th, from a boarding house in the City.
21	s.s. "Harlseywood" (British)	Bilbao ... ... (Rheumatism)	The Master reported on arrival at the Roath Dock, that R.O.N., A.B., was suffering from Rheumatism. He had been medically attended at Bilbao and was removed to the Seamen's Hospital for treatment. Deputy Medical Officer of Health examined the crew.
24	s.s. "Vacuna" ... (Italian)	... ... (Influenzal-Pneumonia)	Notification received from the Seamen's Hospital, that M.G., 26 years, a fireman, was suffering from Influenzal-Pneumonia. Patient came to Cardiff from Italy a few days previously to join the ship; admitted into hospital March 23rd, and died on the 25th. His effects, together with bed and bedding, disinfected.

TABLE IV.—*continued.*

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
Mar. 30	s.s. "Castellano" ... (British)	Antwerp ... ... (Cold)	The Master reported on arrival that A.Mc.D., 30 years, a greaser, was ill on board. He was medically attended; found to be suffering from a cold and treated on board.
,, 31	s.s. "Courtown" ... (British)	Sourabaya ... ... *via* Colombo and Port Said (Small Pox)	The Master reported on arrival that the vessel had come from Sourabaya *via* Colombo and Port Said. On March 17th, two days after leaving Port Said, H.H., 36 years, an A.B., was taken sick. Arrived at Bremen, March 18th, when he was medically examined and reported to be suffering from Influenza. He was removed to Hospital and four days later notified as suffering from Small Pox. Most of the members of the crew were vaccinated, forecastles and effects disinfected. Left Bremen March 25th, and on the 30th, F.M., 2nd Officer, was taken sick. Arrived at Penarth Dock, 31st. Deputy Medical Officer of Health examined the crew and found the 2nd Officer suffering from effects of vaccination. Names and addresses of crew taken and effects again disinfected. No other case of sickness occurred during the vessel's stay in Port.
,, 31	s.s. "Mulhouse" ... (French)	Havre ... ... (Influenza)	On arrival of this vessel in Cardiff Roads, the Master sent on shore for medical aid, which was obtained. J.P., 30 years, a fireman, was found to be suffering from Influenza and was sent on shore to the Seamen's Hospital for treatment. Vessel docked the same day when H.L., 17 years, Cook, was also sent to Seamen's Hospital, suffering from Influenza.
,, 31	s.s. "Kibi Maru, No. 15" ... (Japanese)	Bordeaux ... ... (Measles)	Information received from a Medical Practitioner in the City, that K.S., 21 years, Mess Room Steward, was suffering from Measles. He was forthwith removed to the City Isolation Hospital (as the vessel was about to proceed to sea), taking his effects with him.
April 2	s.s. "Merkur" (Finnish)	Hango, Leith and ... Preston (Measles)	Information received from a Medical Practitioner in the City, that I.A., 20 years, A.B., was suffering from Measles. He was removed to the City Isolation Hospital; forecastles and effects disinfected. Deputy Medical Officer of Health visited and examined crew.
,, 3	s.s. "Letty" ... (British)	Plymouth ... ... (Cold)	The Master reported on arrival at Ely Harbour, that the 2nd Officer was ill on board. Medical assistance obtained and he was found to be suffering from a severe Cold.
,, 3	s.s. "Camerata" ... (British)	Buenos Aires *via* ... St. Vincent and Las Palmas. (Malarial Fever)	The Master reported on arrival at Queen Alexandra Dock, that P.L.J., 35 years, 2nd Officer, was ill on board. Medical assistance obtained and he was notified to be suffering from Malarial Fever. He was sent to his home at Cardiff and his effects and berth disinfected.

TABLE IV.—*continued.*

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
April 5	"Fauvette" ... (French)	Tregnier ... ... (Erysipelas)	On arrival of this vessel in Cardiff Roads, the Master sent on shore for medical aid, which was obtained. J.M.M., 17 years, A.B., was notified to be suffering from Erysipelas. He was sent on shore to the Seamen's Hospital, where he died on April 11th. The vessel arrived in the West Bute Dock on April 7th, when the berth and effects were disinfected.
,, 8	s.s. "Follo" ... (Norwegian)	Bayonne ... ... (Tuberculosis)	Notification received from the Seamen's Hospital, that M.L., 42 years, donkeyman, was suffering from Tuberculosis. He was admitted into Hospital on March 3rd, from Penarth Dock. He died on April 11th. His effects, together with bed and bedding, disinfected.
,, 8	s.s. "Wilola" ... (American)	... ... (Tuberculosis)	Notification received from the Seamen's Hospital, that F.H., 29 years, 2nd Engineer, was suffering from Tuberculosis. He was admitted into hospital on March 27th, the vessel lying in Barry Dock. His effects, together with bed and bedding, disinfected.
,, 17	s.s. "Baymano" (British)	Brest ... ... (Tuberculosis)	Notification received from the Seamen's Hospital, that G.T., 25 years, Cook, was suffering from Tuberculosis. He was admitted into hospital on April 13th and some time later was removed to Glan Ely Tuberculosis Hospital for treatment. His effects, bed and bedding, disinfected.
,, 22	s.s. "Inkerturm" ... (British)	Liverpool ... ... (Influenzal-Pneumonia)	Notification received from the Seamen's Hospital, that A.R., 25 years, a fireman, was suffering from Influenzal Pneumonia. He was admitted on April 21st, and died on the 22nd. Effects and bedding were disinfected. Medical Officer of Health, Barry, notified.
,, 25	s.s. "Monginevro"... (Italian)	London ... ... (Diphtheria)	Notification received from a Medical Practitioner in the City, that F.S., 32 years, 2nd Engineer, was suffering from Diphtheria. He was removed to the City Isolation Hospital. Effects and berth disinfected.
May 4	s.s. "Brand" ... (Norwegian)	Blaye... ... ... (Primary Pneumonia)	Notification received from the Seamen's Hospital, that C.W., 32 years, a fireman, was suffering from Primary Pneumonia. He was admitted on May 4th and died the same day. Patient was landed at Barry on arrival at Barry Roads and the vessel afterwards docked at Queen Alexandra Dock.
,, 10	... ...	... ... (Primary Pneumonia)	On this day I received a notification from a Medical Practitioner in the City, that A.H., 57 years, an A.B., staying at the Sailors' Home, was suffering from Primary Pneumonia. He was removed to the City Lodge Hospital for treatment. He had stayed on shore for a considerable time and was employed as an assistant at the Sailors' Home.

TABLE IV.—*continued.*

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
May 12	s.s. "Bordeaux" ... (French)	Rouen ... ... (Primary Pneumonia)	Notification received from the Seamen's Hospital, that J.S., 24 years, a fireman, was suffering from Primary Pneumonia. He was admitted on May 10th, vessel lying in the Roath Dock. His berth and effects disinfected.
,, 13	s.s. "Siddons" ... (British)	Glasgow ... ... (Primary Pneumonia and Typhoid Fever)	The Master reported on arrival at Queen Alexandra Dock, that C.D., 45 years, a greaser, was ill on board. Medical assistance obtained and he was notified to be suffering from Primary Pneumonia. was removed to the Seamen's Hospital; effects and berth disinfected. On May 20th, patient was notified to be suffering from Typhoid Fever. He had joined the ship at Glasgow, where the water tanks were emptied and cleansed.
,, 13	s.s. "Baysarua" ... (British)	... . (Primary Pneumonia)	Notification received from the Seamen's Hospital, that D.R., 31 years, an A.B., was suffering from Primary Pneumonia. He was admitted the same day from a boarding house in the City, having left his ship some time previously at another Port.
,, 26	s.s. "Baron Douglas" ... (British)	Lisbon & Glasgow ... (Small Pox)	On this day I received intimation from the Seamen's Hospital, that J.W., 23 years, Cook, was suffering from a suspicious rash. I examined him and found him to be suffering from Small Pox. He was forthwith removed to the Small Pox Hospital. The vessel arrived at Barry Dock on May 20th, and on the 22nd patient consulted a medical man, who advised him to go to the Seamen's Hospital. He was paid off and stayed at the Sailors' Home the same night, going to the Hospital the following morning. His effects, also room at the Sailors' Home, disinfected. The Medical Officer of Health, Barry, notified.
,, 27	s.s. "Espozende" ... (Portuguese)	Brest ... ... (Primary Pneumonia)	Notification received from the Seamen's Hospital, that L.J.G., 37 years, a fireman, was suffering from Primary Pneumonia. He was admitted on May 26th. Forecastle was disinfected.
,, 29	s.s. "P. L. M. 7" ... (French)	Rouen ... ... (Apoplexy)	The Master reported that J.C., 32 years, 1st Engineer, had died suddenly on board that day. Body removed to Mortuary to await inquest. Result: Apoplexy.
,, 31	s.s. "Iddesleigh" ... (British)	Aguillas & Glasgow (Tuberculosis)	Notification received from the Seamen's Hospital, that J.K., 28 years, an A.B., was suffering from Tuberculosis. He was admitted into Hospital on April 21st, from a boarding house in the City, having left his ship at Glasgow. Effects and bedding, disinfected.
June 2	s.s. "Capitaine de Beauchamp" ... (French)	Bordeaux ... ... (Tuberculosis)	Notification received from the Seamen's Hospital, that B.V., 18 years, an A.B., was suffering from Tuberculosis. He was admitted on June 1st from Penarth Dock. Vessel sailed previous to receiving Notification.

TABLE IV.—*continued.*

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
June 8	s.s. "Issoria" ... (Italian)	Newport ... ... (Malarial Fever)	Notification received from the Seamen's Hospital, that G.G., 18 years, Cook, was suffering from Malarial Fever. The vessel arrived at Cardiff on March 11th and he was admitted into hospital on June 4th. His effects were disinfected.
,, 18	s.s. "The Monarch" (British)	Dublin ... ... (Rheumatic Fever)	The Master reported on arrival, that J.McL., A.B., was ill on board. Medical treatment obtained and he was removed to the Seamen's Hospital, suffering from Rheumatic Fever.
,, 23	s.s. "Edmond Troppey" ... (French)	Arcachon ... ... (General Debility)	The Officer in charge reported on arrival that the Master was ill on board. Medical treatment obtained and he was found to be suffering from General Debility.
,, 30	s.s. "Reresby" ... (British)	... ... (Tuberculosis)	Notification received from the Seamen's Hospital that A.M., 33 years, a fireman, was suffering from Tuberculosis. He was admitted on April 19th, from a boarding house in the City having left his ship at another Port.
,, 30	s.s. "Halvar" ... (Swedish)	Oporto ... ... (Tuberculosis)	Notification received from the Seamen's Hospital, that G. T., 39 years, a fireman, was suffering from Tuberculosis. He was admitted on June 5th, the vessel lying in the East Bute Dock. Effects, together with bed and bedding, disinfected.
,, 30	s.s. "Viator" ... (Norwegian)	Rouen ... ... (Continued Fever)	The Master reported on arrival at Roath Dock, on June 12th, that O.S., 23 years, A.B., was ill on board. He was medically attended and removed to the Seamen's Hospital on the 30th. He was notified to be suffering from Continued Fever.
July 2	s.s. "Baikal" ... (Russian)	Nantes ... ... (Diphtheria and Rheumatism)	The Master reported on arrival at East Bute Dock, that I.N., 28 years, Cook, was left in hospital on arrival at Nantes, suffering from Diphtheria, taking his effects with him. Also that C.B., 33 years, fireman, and P.C., 24 years, A.B., were laid up. They were removed to the Seamen's Hospital and found to be suffering from Rheumatism. Deputy Medical Officer of Health visited and examined crew.
,, 7	s.s. "Sardinia" ... (British)	St. Johns, N.B., to ... Avonmouth (Primary Pneumonia)	Notification received from the Seamen's Hospital, that W.B., 24 years, a fireman, was suffering from Primary Pneumonia. He was admitted on June 24th, from a boarding house in the City, having left his ship at Avonmouth. On August 9th, he was notified to be suffering from Tuberculosis.
,, 12	s.s. "Irma Woermann" ... (French)	Marseilles ... ... (Continued Fever)	Notification received from the Seamen's Hospital, that C.M., 19 years, Mess Room Boy, was suffering from Continued Fever. He was admitted on June 30th, from Barry Dock.

TABLE IV.—*continued.*

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
July 12	s.s. "Marshall Allenby" (British)	Burutu to Hull ... (Malarial Fever)	Notification received from the Seamen's Hospital, that P.R., 16 years. Apprentice, was suffering from Malarial Fever. He left his ship at Hull a fortnight previously and came to his home at Dinas Powis and was admitted into hospital on the 13th July and died on the 15th.
,, 13	s.s. "Trehawke" ... (British)	Rio de Janeiro ... *via* Las Palmas (Typhoid Fever)	The Master reported on arrival at Queen Alexandra Dock, that J.C.B., 27 years, 1st Officer, was sent to hospital at Rio de Janeiro on June 15th, suffering from Typhoid Fever. His berth was fumigated. E.M., 19 years, O.S., was taken ill on June 26th, arrived Las Palmas July 3rd. Medically examined and allowed to proceed in the ship. Left following day and arrived at Barry Roads on July 12th and he was taken on shore to hospital suffering from Typhoid Fever. The vessel docked the following day, when his berth was disinfected. A sample of the drinking water was submitted for bacteriological examination and found to be contaminated. Water tanks emptied and cleansed and refilled. Deputy Medical Officer of Health visited and examined crew.
,, 14	s.s. "Sydfold" ... (Norwegian)	Calais ... ... (Cold)	The Master reported on arrival at Penarth Dock, that one A.B. was laid up. Medical treatment obtained and he was found to be suffering from a Cold.
,, 19	s.s. "Italia" ... (Italian)	Barrow-in-Furness ... (Erysipelas)	Notification received from the Seamen's Hospital, that O.C., 19 years, a fireman, was suffering from Erysipelas. He was admitted into the Hospital on July 16th, just prior to vessel's sailing.
,, 23	s.s. "Gafsa" ... (French)	Bilbao ... ... (Tuberculosis)	Notification received from a medical practitioner in the City, that H.G., 20 years, a fireman, was suffering from Tuberculosis. He was admitted to to the Seamen's Hospital and subsequently returned to his home at France. His berth, also bedding, disinfected.
Aug. 9	s.s. "Greeur" ... (French)	Bordeaux ... ... (Peritonitis)	The Master reported that T.C., 58 years, 3rd Engineer, was ill on board. He was medically attended; found to be suffering from Peritonitis and treated on board.
,, 16	s.s. "Hessle" ... (British)	Portland ... ... (Measles)	The Master reported on arrival that W.S.H., 38 years, 1st Officer, was ill on board. Medical treatment obtained and he was found to be suffering from Measles. He was removed to the City Isolation Hospital; berth and effects disinfected.
,, 23	s.s. "Clio" ... ... (American)	Dunkirk ... ... (Primary Pneumonia)	Notification received from the Seamen's Hospital, that H.D., 23 years, A.B., was suffering from Primary Pneumonia. He was admitted on August 13th, from the Sailors' Home, having left his ship at Queen Alexandra Dock.

TABLE IV.—*continued.*

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
Aug. 23	s.s. "Sofia" (British)	Tralee (Primary Pneumonia)	Notification received from the Seamen's Hospital, that J.J., 58 years, A.B., was suffering from Primary Pneumonia. He was admitted on August 7th, the vessel lying at Barry Dock.
Sept. 2	s.s. "Lancelot" (Norwegian)	St. Malo (Typhoid Fever)	Notification received from a medical practitioner in the City, that L.H., 33 years, Master, was suffering from Typhoid Fever. He was removed to hospital and effects disinfected. A sample of the drinking water was submitted for bacteriological examination which proved contaminated. Water tanks emptied, cleansed and a fresh supply taken on board.
14	s.s. "Italia" (Italian)	Spezia (Primary Pneumonia)	Notification received from a medical practitioner in the City, that B.L., 19 years, A.B., was suffering from Primary Pneumonia. He was removed to the Seamen's Hospital, the vessel lying in the Queen Alexandra Dock.
,, 15	s.s. "Granfos" (Norwegian)	Larne (Tonsilitis)	The Master reported on arrival at Penarth Dock, that H.L., 18 years, A.B., was ill on board. Deputy Medical Officer of Health attended and found that he was suffering from Tonsilitis and he was removed to the Seamen's Hospital for treatment.
,, 16	s.s. "Frieda" (Danish)	Bordeaux (Appendicitis)	The Master reported on arrival at Penarth Dock, that W.G., 27 years, fireman, was ill on board. Medical treatment was obtained and he was found to be suffering from Appendicitis. He was removed to the Seamen's Hospital for treatment.
,, 23	s.s. "Starefos" (Norwegian)	Rouen (Diphtheria)	The Master reported on arrival at Penarth Dock, that H.L., 18 years, A.B., was ill on board. Medical treatment obtained and he was notified to be suffering from Diphtheria. He was forthwith removed to the City Isolation Hospital; forecastle and effects disinfected.
,, 25	s.s. "Amarante" (Portuguese)	Naples *via* Gibraltar (Typhoid Fever)	The Master reported on arrival, that A.M., 30 years, Assistant Steward, was ill on board. Medical treatment obtained and he was notified to be suffering from Typhoid Fever. He was removed to the City Isolation Hospital. On October 5th, J.P.F., 28 years, Steward, was also notified to be suffering from Typhoid Fever and removed to the City Isolation Hospital. On October 18th, J.P., 26 years, a fireman, was taken sick, removed to the Seamen's Hospital and notified on the 21st to be suffering from Typhoid Fever. All effects and crew quarters were disinfected and a sample of drinking water taken for bacteriological examination, which proved to be of good quality. Deputy Medical Officer of Health visited and examined crew.
26	s.f. "Nogi" (British)	Sea (Pleurisy)	The Master reported on arrival at West Bute Dock, from the Fishing Grounds, that P.M., a deck hand, was ill on board. Medical treatment obtained and he was removed to his home suffering from Pleurisy.

TABLE IV.—*continued.*

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
Oct. 5	s.s. "Cove" ... (British)	Southampton ... (Erysipelas)	The Master reported on arrival at Queen Alexandra Dock, that J. G. R., 52 years, 3rd Engineer, was ill on board. He was removed to the Seamen's Hospital and found to be suffering from Erysipelas; removed to the City Isolation Hospital and berth disinfected.
,, 11	s.s. "Matte" ... (Norwegian)	... ... (Primary Pneumonia)	Notification received from the Seamen's Hospital, that E.H., 25 years, A.B., and V.H., 26 years, A.B., were suffering from Primary Pneumonia. They were admitted on October 4th, the vessel lying at Port Talbot.
,, 11	s.s. "Orn II." ... (Norwegian)	... ... (Primary Pneumonia)	Notification received from the Seamen's Hospital, that J.L., 27 years, a fireman, was suffering from Primary Pneumonia. He was admitted into hospital on October 7th, the vessel lying at Barry Dock.
,, 11	s.s. "Arranmead" ... (British)	Dublin ... ... (Malarial Fever) (Recurrent)	Notification received from the Seamen's Hospital, that C.P., 19 years, Mess Room Steward, was suffering from Malarial Fever. He was admitted September 22nd, from a boarding house in the City, having left his ship some time previously.
,, 11	s.s. "Edmonton" ... (British)	... ... (Malarial Fever) (Recurrent)	Notification received from the Seamen's Hospital, that P.M., 42 years, donkeyman, was suffering from Malarial Fever. He was admitted October 7th from a boarding house in the City, having left his ship at Marseilles.
Nov. 4	s.s. "Mount Snowdon" ... (British)	Huelva *via* Garston... (Typhoid Fever)	The Master reported on arrival that one member of crew had been sent to hospital at Garston, suffering from Typhoid Fever, also two members suffering from Pneumonia. Disinfection carried out at that Port. Deputy Medical Officer of Health visited and examined crew.
,, 12	s.s. "Hampshire" ... (British)	Antwerp ... ... (Primary Pneumonia)	Notification received from the Seamen's Hospital, that C. S. H., 26 years, Cook, was suffering from Primary Pneumonia. He was admitted October 22nd, from a boarding house in the City, having left his ship at Leith.
,, 12	s.s. "Pendarves" ... (British)	Bathurst ... ... (W.C. Africa) (Malarial Fever) (Recurrent)	Notification received from the Seamen's Hospital, that M.B., 33 years, a fireman, was suffering from Malarial Fever. He was admitted November 1st from a boarding house in the City, having left his ship at Hull.
,, 17	s.s. "Fernhill" ... (British)	Dakar *via* Bilbao ... (Malarial Fever)	The Master reported on arrival at Roath Dock, that most of the members of the crew had been suffering from Malarial Fever and were medically treated at Bilbao. All well on arrival here except two of the members who were still suffering from its effects and the next day were able to proceed to their homes. Deputy Medical Officer of Health visited and inspected crew.

TABLE IV.—*continued.*

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
Nov. 18	s.s. "Wye Tempest" (British)	Calcutta, Suez, ... Marseilles and Dunkirk. (Venereal Disease, Plague and Bronchitis)	Master reported on arrival at Roath Dock, that T.G., Assistant Steward, was paid off and sent to hospital whilst at Calcutta, on September 13th, suffering from Venereal Disease. On the 29th, whilst at sea, R.W., cook, complained of swelling in groin. Also S.A., a fireman, was taken sick suffering from Bronchitis. Arrived at Aden, October 9th. Crew medically examined and sick men allowed to proceed. Arrived Suez 16th. sick men again examined and R.W. was pronounced to be suffering from Suspicious Plague and was sent to hospital, together with S.A. Vessel and effects disinfected both at Suez and Marseilles. All well on arrival at this Port. Crew medically examined by Deputy Medical Officer of Health and kept under observation also measures taken for destruction of rats on board.
" 20	"Elizabeth" ... (Peruvian)	Rotterdam ... ... (Pleurisy)	The Master reported on arrival at East Bute Dock, that G.B., 27 years, A.B., was taken ill on passage from Rotterdam. Medical treatment obtained and he was found to be suffering from Pleurisy and treated on board.
" 22	s.s. "Norwich City" (British)	Newport News ... (Dysentery)	Master reported on arrival at Queen Alexandra Dock, that R.N., 23 years, Cook, was ill on board. He was removed to the Seamen's Hospital and on the 18th, was notified to be suffering from Dysentery. His berth and effects disinfected and a sample of drinking water submitted for bacteriological examination, which proved to be of good quality.
Dec. 1	s.s. "Jupiter" ... (Spanish)	Dunkirk ... ... (Colds)	The Officer in charge reported on arrival at Penarth Dock, that the Master, also V.F., an A.B., were ill on board. Medical treatment obtained; they were suffering from severe colds and treated on board.
" 2	s.s. "Hanover" ... (British)	... ... (Malarial Fever) (Recurrent)	Notification received from the Seamen's Hospital, that C.W.T., 18 years, assistant steward, was suffering from Malarial Fever. He was admitted on December 1st, from a boarding house in the City, having left ship abroad.
" 2	s.s. "Gotaland" ... (Swedish)	Lulea *via* Middlesbrough. (Malarial Fever) (Recurrent)	The Master reported on arrival, that E.J., 26 years, A.B., was ill on board. Medical treatment obtained and he was notified to be suffering from Malarial Fever. He was removed to the Seamen's Hospital and berth disinfected. Deputy Medical Officer of Health attended and examined crew.
" 10	s.s. "Ville de Casablanca" (French)	Marseilles ... ... (Tuberculosis)	Notification received from the Seamen's Hospital, that M.J., 23 years, A.B., was suffering from Tuberculosis. He was admitted on November 25th (the vessel lying at Port Talbot) and subsequently removed to Glan Ely Tuberculosis Hospital for treatment.

TABLE IV.—*continued.*

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
Dec. 12	s.s. "Grelorm" (British)	Algiers (Malarial Fever) (Recurrent)	The Master reported on arrival at Queen Alexandra Dock, that T.S.M., 35 years, 2nd Engineer, was ill on board. He was medically attended and found to be suffering from Malarial Fever and removed to the Seamen's Hospital for treatment.
,, 13	s.s. "Graaf Lodewijk" (Dutch)	Bayonne (Rheumatic Fever)	The Master reported on arrival, that A.S., 46 years, was ill on board. He was medically attended and found to be suffering from Rheumatic Fever, and removed to the Seamen's Hospital for treatment.
,, 14	s.s. "Talisman" (Norwegian)	Bordeaux (Tonsilitis)	The Master reported on arrival, that R.L., 20 years, A.B., and N.J., 28 years, 2nd Engineer, were ill on board. Medical treatment obtained and they were found to be suffering from Tonsilitis. Treated on board.
,, 16	s.s. "Stokke" (Norwegian)	Senegal *via* Dunkirk (Malarial Fever) (Recurrent)	Notification received from the Seamen's Hospital, that N.S., 31 years, and M.E., 24 years, firemen, were suffering from Malarial Fever. They were admitted on December 15th, the vessel lying at Barry Dock.
,, 17	"Wilhelmina" (Dutch)	Treport (Pleurisy)	The Master reported on arrival at West Bute Dock, that J. Van D., 65 years, A.B., was ill on board. He was medically attended; found to be suffering from Pleurisy and removed to the Seamen's Hospital for treatment.
,, 20	s.s. "Greldon" (British)	Antwerp (Typhoid Fever & Congestion of Lungs)	The Master reported on arrival, that W.C., 34 years, Cook, was taken to hospital at Antwerp on Dec. 14th., suffering from Typhoid Fever. His effects and berth disinfected at that Port. On arrival here, P.B., 48 years, Carpenter, was reported ill on board. He was medically attended; found to be suffering from Congestion of Liver and treated on board.
,, 21	s.s. "Corstar" (British)	London (Pleurisy)	The Officer in charge reported on arrival, that R.R., Master, was ill on board. He was medically attended, found to be suffering from Pleurisy and subsequently removed to his home.
,, 28	"Fort de France" (French)	Bordeaux (Malarial Fever) (Recurrent)	The Master reported that M.P., 28 years, A.B., was ill on board. He was removed to the Seamen's Hospital and found to be suffering from Malarial Fever. Vessel lying at Penarth Dock.
,, 29	s.s. "Sines" (Portuguese)	Porto Maurizio and Gibraltar. (Primary Pneumonia)	Notification received from a medical practitioner in the City, that M.L., 39 years, fireman, was suffering from Primary Pneumonia. He was removed to the Seamen's Hospital for treatment.
,, 29	s.s. "Harriet" (Norwegian)	Bordeaux (Malarial Fever) (Recurrent)	Notification received from a medical practitioner, that A.A., 39 years, 1st Engineer, was suffering from Malarial Fever. He was removed to a nursing home for treatment.

TABLE IV.—*continued.*

DATE 1920	NAME OF SHIP AND NATIONALITY.	WHERE FROM AND NATURE OF SICKNESS.	GENERAL PARTICULARS.
Dec. 30	s.s. "Fotinia" ... (British)	... ... (Erysipelas)	Notification received from the Seamen's Hospital, that F.N., 33 years, A.B., was suffering from Erysipelas. He was removed to the City Isolation Hospital and effects disinfected. He was admitted from the Sailors' Home, having left his ship at Middlesbrough.

CHOLERA, PLAGUE AND YELLOW FEVER.

No vessels entered the port during the year 1920 directly from infected ports. During the year the Rat-catchers were engaged on board 48 vessels and in 53 warehouses on the docks, and the total number of rats caught and subsequently destroyed amounted to 7,537.

The Memorandum of the Medical Officer of Health of the Local Government Board issued to Sanitary Authorities in November, 1910, described (1) The Symptoms of Plague; (2) The Diagnosis; (3) The Method of Spread; (4) Rats as being the source of Plague.

Your Committee are aware of the systematic destruction of rats which is carried on in your Port Sanitary District and the warehouses on the Docks.

RATS AND MICE (DESTRUCTION) ACT, 1919, came into operation on 1st January, 1920.

The Act has to be enforced by the Local Authority (Urban and Port). An "Occupier" of "land" is required, under a penalty of £5, to take action to free his premises of rats and mice, but provision is made for service by the Local Authority, or any Committee of the Local Authority to which the exercise of powers may be delegated, of a Notice on the "occupier," requiring him to take such steps as are prescribed in the Notice, within a time specified therein, and this can be enforced by a fine of £20. The Local Authority may also, after not less than 24 hours' previous notice to the "occupier," enter upon the "land" and take such steps as are necessary and reasonably practicable for freeing the premises from rats and mice, and may recover all reasonable expenses so incurred. A notice purporting to be signed by the Clerk of a Local Authority, shall, in the absence of proof to the contrary, be deemed to have been signed by the Clerk with the authority of the Local Authority. The expression "occupier" means, in the case of land which is unoccupied, the owner; and "land" includes any buildings and other erection on land, and any cellar, sewer, drain or culvert in or under land. The Act applies to a vessel as if the vessel were land, and the Master shall be deemed to be the occupier. Proceedings under the Act are only to be instituted by or with the authority of the Board or the Local Authority. The expenses of executing the Act are to be paid (*a*) Urban, under the Public Health Act, 1875; and (*b*) Port, as part of the Port Sanitary Expenses.

The Port Sanitary Authority recommend that the duty of carrying out the provisions of the Rats and Mice (Destruction) Act, 1919, in the City of Cardiff and in the area of the Cardiff Port Sanitary Authority be delegated to the Health and Port Sanitary Committee, with all the powers therein mentioned, and that they be made executive and authorised to serve all notices thereunder, and that Chief Inspector Sam Evans (Urban) be appointed to carry out this Act and any orders legally made thereunder in the City, and Chief Inspector D. Jenkins in the area of the Cardiff Port Sanitary Authority (under the Medical Officer of Health) and that they be each authorised in writing for all purposes mentioned in the said Act, and specially for the purpose of Section 5 (4) thereof; and that the Common Seal be affixed to all documents hereunder; and that the Medical Officer of Health order all necessary books and forms, and advertise the provisions of the Act in the City and Port Sanitary District.

CITY AND PORT OF CARDIFF.

RATS AND MICE (DESTRUCTION) ACT, 1919.

This Act came into operation on 1st January, 1920.

Penalties for Failure to Destroy Rats and Mice.

Any person who shall fail to take steps as may from time to time be necessary and reasonably practicable for the destruction of rats and mice on or in any land of which he is the Occupier, or for preventing such land from becoming infected with rats and mice, shall be liable on summary conviction to a fine not exceeding Five Pounds, or where he has been served with a Notice under this Act requiring him to take such steps, not exceeding Twenty Pounds.

The expression "Occupier" means, in the case of land not occupied by any tenant or other person, the Owner of the land.

The expression "Land" includes any buildings, and any other erection on land, and any cellar, sewer, drain or culvert in or under land.

This Act shall apply to a Vessel as if the Vessel were "Land" and the Master of the Vessel shall be deemed to be the "Occupier" thereof.

Methods and Preventive Measures.

The most effective methods for destroying rats and mice embrace the use of traps, snares, ferrets, dogs, fumigation, and the use of poisons. The safest poisons have been found to be preparations of Squills and Barium Carbonate. Poison should be laid in such a way that human beings, domestic animals, poultry, etc. cannot obtain access to it. The laying of baits containing any poison should be carried out with the utmost care. The actual amount laid in each single rat-hole or burrow should be as small as possible to obtain the results aimed at. The position of these places should be noted, and any dead rats found afterwards should be burnt or destroyed, to prevent domestic animals getting at the carcases. Previous to the laying of poisons, the owners of poultry, dogs, pigs and other animals frequenting or likely to come near places where poison has been laid should be warned, and, after an interval of a few days, all unconsumed baits should be removed or destroyed.

Attention should be specially directed to all drains, waste, food and grain stores and stacks, etc.

Before threshing commences, stacks should be surrounded with fine meshed wire, not less than 4 feet in height, to prevent rats escaping.

Persons desiring information on the subject of rat or mice destruction, or experiencing any difficulty in obtaining suitable materials for that purpose, should apply to the Inspector of Nuisances, at the City Hall, Cardiff, or at the Port Sanitary Authority, 31, Loudoun Square, Cardiff, to whom all complaints should be addressed.

CECIL G. BROWN,
Town Clerk and Clerk to the Cardiff Port Sanitary Authority.

Continuous inspection and measures were taken on and around the docks, premises, lands, etc. during the year, under the above Rats and Mice (Destruction) Act, and as the result of baiting with poison, 4,673 rats and mice were found dead.

Table shewing the number of Rats caught and destroyed each month during the year 1920, on board ships in the Docks and Warehouses on the Docks, also the number and species submitted to the Cardiff and County Public Health Laboratory for bacteriological examination by Mr. J. H. Sugden, M.Sc., F.I.C.

TABLE V.

Date. 1920	Names of Vessels arriving in the Port Sanitary District.		Names of Vessels and Warehouses subjected to measures of rat destruction.			No. Caught & destroyed	Method employed	No. and Species submitted.	Result of Examination.
	Plague Infected	Plague Suspected	Plague Infected	Plague Suspected	Other Vessels and where from and Warehouses.				
January ...	Nil.	Nil.	Nil.	Nil.	"Cold Stores" Warehouse ... Queen Alexandra Dock	...	Trapping	2 Mus. Rattus ... 2 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"C" Warehouse ... ... Queen Alexandra Dock	...	do.	3 Mus. Rattus ... 1 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"G" Warehouse, ... Queen Alexandra Dock	81	do.	3 Mus. Rattus ... 1 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"A" Warehouse, ... Queen Alexandra Dock	40	do.	1 Mus. Rattus ... 3 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"B" Warehouse, ... Queen Alexandra Dock	48	do.	4 Mus. Rattus ...	Negative No evidence of B. Pestis
February ..	Nil.	Nil.	Nil.	Nil.	"F" Warehouse, ... Queen Alexandra Dock	57	do.	1 Mus. Rattus ... 3 Mus. Decumanus ...	Negative No evidence of B. Pestis
					s.s. "Freshwater," ... ... London	225	do.	4 Mus. Rattus ...	Negative No evidence of B. Pestis
					s.s. "Hunsworth," ... ... Port Victoria and Sharpness	300	do.	2 Mus. Rattus ... 2 Mus. Decumanus ...	Negative No evidence of B. Pestis
					s.s. "Arcturus," ... ... Calais	42	do.		
					"No. 2" Warehouse, ... Roath Dock	49	do.	1 Mus. Rattus ... 3 Mus. Decumanus ...	Negative No evidence of B. Pestis
					s.s "Elmleaf," ... ... Plymouth	267	do.		
					"No. 1" Warehouse, ... Roath Dock	49	do.	4 Mus. Decumanus ...	Negative No evidence of B. Pestis

Date. 1920	Names of Vessels arriving in the Port Sanitary District.		Names of Vessels and Warehouses subjected to measures of rat destruction.			No. Caught & destroyed	Method employed	No. and Species submitted.	Result of Examination.
	Plague Infected	Plague Suspected	Plague Infected	Plague Suspected	Other Vessels and where from and Warehouses.				
February ...	Nil.	Nil.	Nil.	Nil.	s.s. "Lizzy," ... ... Sydney, C.B.	149	Trapping	3 Mus. Rattus ...	Negative No evidence of B. Pestis
					"Cold Stores" Warehouse, ... Roath Dock	43	do.	5 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"York" Warehouse, ... East Dock	62	do.		
					s.s. "Franziska," ... ... St. Vincent	153	do.		
March ...	Nil.	Nil.	Nil.	Nil.	"Clarence" Warehouse, ... East Bute Dock	39	do.	1 Mus. Rattus ... 2 Mus. Decumanus ...	Negative No evidence of B. Pestis
					s.s. "Sonnenfels," ... ... Dakar	92	do.	4 Mus. Rattus ...	Negative No evidence of B. Pestis
					"Stuart" Warehouse, ... East Bute Dock	63	do.	2 Mus. Rattus ... 2 Mus. Decumanus ...	Negative No evidence of B. Pestis
					s.s. "Rassay," ... ... Hull	157	do.	3 Mus. Rattus ... 3 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"A" Warehouse, ... East Bute Dock	53	do.	1 Mus. Rattus ... 4 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"A" Warehouse (Bond), ... East Bute Dock	46	do.		
					"C" Warehouse, ... Queen Alexandra Dock	94	do.		
April ...	Nil.	Nil.	Nil.	Nil.	"A" Warehouse, ... Queen Alexandra Dock	84	do.	3 Mus. Rattus ... 3 Mus. Decumanus ...	Negative No evidence of B. Pestis
					s.s. "Thysa," ... ... Glasgow	114	do.		

					s.s. "Armuru" Glasgow	87	do		
					s.s "Canastota." ... ... Durban and Falmouth	189	do.		
					s.s. "Begona No. 5," ... Manchester	116	do.	3 Mus. Rattus ... 1 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"B" Warehouse, ... Queen Alexandra Dock	75	do.	4 Mus. Rattus ...	Negative No evidence of B. Pestis
					s.s. "Duke of Cornwall," ... Liverpool	116	do.	4 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"C" Warehouse, ... Queen Alexandra Dock	71	do.	4 Mus. Decumanus ...	Negative No evidence of B. Pestis
May ...	Nil.	Nil.	Nil.	Nil.	"G" Warehouse, ... Queen Alexandra Dock	83	do.	4 Mus. Rattus ...	Negative No evidence of B. Pestis
					"Cold Stores," ... ... Queen Alexandra Dock	42	do.	4 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"F" Warehouse, ... Queen Alexandra Dock	66	do.	4 Mus. Decumanus ...	Negative No evidence of B. Pestis
					s.s. "Burnhope," ... ... Bilbao	96	do.		
					s.s. "King Edward," ... Dublin	316	do.		
					s.s. "Visigoth," ... ... Dublin	172	do.	2 Mus. Rattus ... 2 Mus. Decumanus ...	Negative No evidence of B. Pestis
					s.s. "Ryburn," ... ... Bilbao	104	do.		
					s.s. "Begona No. 5," ... Carthagena	67	do.		
June ...	Nil.	Nil.	Nil.	Nil.	s.s. "Arraiz," ... ... Bilbao	94	do.	5 Mus. Rattus ... 1 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"No. 2" Warehouse, ... Roath Dock	62	do.	2 Mus. Rattus ... 2 Mus. Decumanus ...	Negative No evidence of B. Pestis

Date. 1920	Names of Vessels arriving in the Port Sanitary District.		Names of Vessels and Warehouses subjected to measures of rat destruction.			No. Caught & destroyed	Method employed	No. and Species submitted.	Result of Examination.
	Plague Infected	Plague Suspected	Plague Infected	Plague Suspected	Other Vessels and where from and Warehouses.				
June ...	Nil.	Nil.	Nil.	Nil.	"No. 1" Warehouse, ... Roath Dock	44	Trapping	2 Mus. Rattus ...	Negative No evidence of B. Pestis
					Motor "Jessie Norcross," ... Swansea	70	do.	7 Mus. Decumanus ...	Negative No evidence of B. Pestis
					s.s. "Glofield," ... ... La Plata and Dublin	99	do.		
					s.f. "Settsu," ... ... Sea (Fish)	11	do.		
					"Cold Stores," Warehouse, ... Roath Dock	44	do.	4 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"A" Warehouse, ... Queen Alexandra Dock	55	do.		
					"Monkbarns," ... ... Bristol	113	do.	4 Mus. Rattus ...	Negative No evidence of B. Pestis
					"York" Warehouse, ... East Bute Dock	49	do.	2 Mus. Rattus ... 3 Mus. Decumanus ...	Negative No evidence of B. Pestis
					s.s. "Frances Duncan," ... Liverpool	64	do.		
					"Stuart" Warehouse, ... East Bute Dock	51	do.	2 Mus. Rattus ... 2 Mus. Decumanus ...	Negative No evidence of B. Pestis
July ...	Nil.	Nil.	Nil.	Nil.	"Clarence" Warehouse, ... East Bute Dock	42	do.	3 Mus. Decumanus ...	Negative No evidence of B. Pestis
					s.s. "Baikal," ... ... Nantes	117	do.	4 Mus. Decumanos ...	Negative No evidence of B. Pestis
					s.s. "Finchley," ... ... Santiago de Cuba & Greenock	251	do.	3 Mus. Rattus ... 1 Mus. Decumanus ...	Negative No evidence of B. Pestis

					"A" Warehouse, East Bute Dock	43	do	4 Mus. Decumanus	Negative No evidence of B Pestis
					s.s. "Pola," Taranto	22	do.	3 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"A" Warehouse, ... Queen Alexandra Dock	68	do.	2 Mus. Rattus ... 2 Mus. Decumanus ...	Negative No evidence of B. Pestis
August ...	Nil.	Nil.	Nil.	Nil.	"B" Warehouse, ... Queen Alexandra Dock	43	do.	2 Mus. Rattus ... 3 Mus. Decumanus ...	Negative No evidence of B. Pestis
					s.s. "Emilia S. de Perez," ... Rotterdam	30	do.	4 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"A" Warehouse (Bond), ... East Bute Dock	26	do.		
					s.s. "Lyme Regis," ... Treport	12	do.		
					"G" Warehouse, ... Queen Alexandra Dock	51	do.	1 Mus. Rattus ... 3 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"C" Warehouse, ... Queen Alexandra Dock	42	do.	3 Mus. Rattus ... 2 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"Cold Stores," ... ... Roath Dock	22	do.	2 Mus. Rattus ... 2 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"Cold Stores" Warehouse, ... Roath Dock	55	do.		
September ...	Nil.	Nil.	Nil.	Nil.	"No. 2" Warehouse, ... Roath Dock	33	do.	1 Mus. Rattus ... 3 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"No. 1" Warehouse, ... Roath Dock	43	do.	3 Mus. Decumanus ...	Negative No evidence of B. Pestis
					s.s. "Slemish," ... ... Portland	15	do.		
					s.s. "Bayramento," ... Bordeaux	11	do.		
					s.s. "Redemirol," ... ... Bordeaux	25	do.		

Date. 1920	Names of Vessels arriving in the Port Sanitary District.		Names of Vessels and Warehouses subjected to measures of rat destruction.			No. Caught & destroyed	Method employed	No. and Species submitted.	Result of Examination.
	Plague Infected	Plague Suspected	Plague Infected	Plague Suspected	Other Vessels and where from and Warehouses.				
September ...	Nil.	Nil.	Nil.	Nil.	"York" Warehouse, East Bute Dock ...	68	Trapping		
					"Stuart" Warehouse, East Bute Dock ...	55	do.	3 Mus. Decumanus ...	Negative No evidence of B. Pestis
October ...	Nil.	Nil.	Nil.	Nil.	"Clarence" Warehouse, East Bute Dock ...	18	do.	2 Mus. Rattus ... 2 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"A" Warehouse, ... East Bute Dock	31	do.	1 Mus, Rattus ... 2 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"A" Warehouse (Bond), ... East Bute Dock	28	do.	1 Mus. Rattus ... 2 Mus. Decumanus ...	Negative No evidence of B. Pestis
					s.s. "Grangetown," ... Workington	18	do.		
					s.s. "Henry Furst," ... Portland	114	do.		
					s.s. "E. M. Dalgas," ... Boness	23	do.		
					s.s. "Lady Bertha," ... Chantenay	96	do.	4 Mus. Rattus ...	Negative No evidence of B. Pestis
					s.s. "Erissos," ... ... Bougie	296	do.	3 Mus. Rattus ... 1 Mus. Decumanus ...	Negative No evidence of B. Pestis
November ..	Nil.	Nil.	Nil.	Nil.	"G" Warehouse, ... Queen Alexandra Dock	48	do.	1 Mus. Rattus ... 2 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"F" Warehouse, ... Queen Alexandra Dock	21	do.	1 Mus. Rattus ... 1 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"A" Warehouse, ... Queen Alexandra Dock	45	do.	3 Mus. Rattus ... 2 Mus. Decumanus ...	Negative No evidence of B. Pestis
					[illegible]	12	do.		

					"C" Warehouse, Queen Alexandra Dock	42	do.		
					"B" Warehouse, ... Queen Alexandra Dock	47	do.	2 Mus. Rattus ... 2 Mus. Decumanus ...	Negative No evidence of B. Pestis
					s.s. "Oria," ... ... Sunderland	15	do.		
					s.s. "Arko," ... ... Newport	55	do.		
					s.s. "Valkyrian," ... ... Grimsby	17	do.		
December .	Nil.	Nil.	Nil.	Nil.	"No. 1" Warehouse, ... Roath Dock	10	do.		
					s.s. "Comet," ... ... Devonport	30	do.		
					s.s. "Hillegom," ... ... Bilbao	71	do.		
					"No. 2" Warehouse, ... Roath Dock	58	do.	1 Mus. Rattus ... 3 Mus. Decumanus ...	Negative No evidence of B. Pestis
					"York" Warehouse, ... East Bute Dock	39	do.		
					"Stuart" Warehouse, ... East Bute Dock	64	do.	1 Mus. Rattus ... 5 Mus. Decumanus ...	Negative No evidence of B. Pestis
					s.s. "Gotaland," ... ... Lulea and Middlesbrough	51	do.		
					s.s. "Graziella," ... ... Bristol	83	do.		
					"Elizabeth," ... ... Rotterdam	60	do.		
					s.s. "Amarante," ... ... Naples and Gibraltar	296	do.		
					"Clarence" Warehouse, ... East Bute Dock	31	do.		

TABLE V.—*continued.*

Date. 1920	Names of Vessels arriving in the Port Sanitary District.		Names of Vessels and Warehouses subjected to measures of rat destruction.			No. Caught & destroyed	Method employed	No. and Species submitted.	Result of Examination.
	Plague Infected	Plague Suspected	Plague Infected	Plague Suspected	Other Vessels and where from and Warehouses.				
December ...	Nil.	Nil.	Nil.	Nil.	"A" Warehouse (Bond), East Bute Dock ...	26	Trapping		
					s.s. "Margit," Newport	41	do.		
					s.s. "Torland," Liverpool	26	do.		
					TOTALS ...	7,537	..	240	

A strict examination is made of all vessels on arrival at H.M. Customs Boarding Stations during the day and night tides, whether directly or indirectly from Infected or Suspected ports.

These vessels are dealt with in accordance with the Regulations of the Local Government Board of the 9th September, 1907.

HOSPITAL ACCOMMODATION.—The Hospital on the Flat Holm Island is intended solely for the reception of persons suffering from Cholera, Yellow Fever, or Plague on board Ships. It consists of one pavilion containing two Wards and Nurses' Rooms, Bathrooms, Lavatories, etc. Each Ward contains six beds. In addition to and adjoining the Hospital there is a small Ward with four beds, formerly used for Cholera patients, making altogether permanent accommodation for sixteen patients. At the same time there is ample space on the Island, *i.e.*, about 40 acres, for any temporary extension which might be required. In connection with these buildings is a complete Laundry, a Mortuary, a Post-Mortem Room, and a Crematorium for the destruction of the bodies of persons dying in the Hospital or on board an infected ship. The Caretakers reside in a house adjoining the Hospital belonging to the Port Sanitary Authority, and which is used when required for administrative purposes. An arrangement exists between some other Port Sanitary Authorities and Cardiff in connection with the Hospital accommodation on the Flat Holm Island as follows :—

The Bristol Port Sanitary Authority have the use, on payment of fees, of the Crematorium on the Island for the cremation of bodies of persons dying of Cholera, Yellow Fever, or Plague within their District.

The Cardiff Port Sanitary Authority have agreed to receive into their Hospital on the Flat Holm Island, and to provide all necessary treatment and food for patients sent to the Hospital from the District of the Newport Sanitary Authority, and to cremate the bodies of any such patients who may die in the Hospital, on payment of £40 per annum, and £3 3s. per week for the first Newport patient received into the Hospital, and £2 2s. per week for every additional patient, and a sum of £7 7s. in respect of the cremation of every body of any such patient dying in the Hospital.

An agreement exists between the Port Sanitary Authorities of Cardiff and Barry of a similar character to that between Cardiff and Newport.

By agreement also the Bridgwater Port Sanitary Authority are entitled to send patients into the Cardiff Hospital on payment of an annual sum of £20, and of sums for maintenance of patients similar to the other Authorities.

CARDIFF PORT SANITARY AUTHORITY.

Estimate of Expenditure for Year ending 31st March, 1921.

Salaries and Remuneration of Officers and Assistants.

	£ s. d.	£ s. d.
Clerk and Treasurer	50 0 0	
Medical Officer of Health	200 0 0	
Assistant Medical Officer of Health	150 0 0	
Chief Inspector	380 0 0	
Assistant Inspectors	2,900 0 0	
Uniforms and Boot Allowance	165 0 0	
		3,845 0 0

Cost of Removing Nuisances and of Disinfecting Ships.

Removal of Nuisances and Disinfecting	100 0 0
Carried forward	3,945 0 0

	£ s. d.	£ s. d.
Brought forward		3,945 0 0
Hospitals (On Flat Holm Island).		
Cost of Land and Buildings, Repairs, etc.	20 0 0	
Other Expenses, including Remuneration of Officers (not before included)	150 0 0	
		170 0 0
Establishment Charges.		
Rent of Offices and Telephones	71 0 0	
Rates, Taxes and Insurances	50 0 0	
Maintenance, Repairs, Buildings	10 0 0	
Gas, Electric Light and Stores	25 0 0	
Printing, Advertising and Stationery	80 0 0	
Incidental Expenses	15 0 0	
		251 0 0
In Respect of Loans.		
Principal repaid	100 0 0	
Interest	18 15 0	
		118 15 0
Other Payments.		
Ground Rent, "Flat Holm"	100 0 0	
Hire of Tug	10 0 0	
Audit Stamp	5 0 0	
Medical Inspections and Notifications...	15 0 0	
		130 0 0
Contingencies.		
Prevention of Cholera, Plague, etc.		55 5 0
		4,670 0 0
Credits.		
Barry Port Sanitary Authority	120 0 0	
Newport Port Sanitary Authority	40 0 0	
Bridgwater Port Sanitary Authority	20 0 0	
Rents per Caretaker and Trinity House, *less* Rebates ...	25 0 0	
Bank Interest	5 0 0	
Sundry Receipts	60 0 0	
		270 0 0
		4,400 0 0
Deduct—		
Exchequer Contribution Account (Moiety of Salaries, Medical Officer and Chief Inspector)	290 0 0	
Ministry of Health Grant	1,910 0 0	
		2,200 0 0
Amount of Precept to be ordered		£2,200 0 0
Less—Proportion thereof receivable from Penarth Urban District Council	200 4 3	
Llandaff and Dinas Powis Rural District Council ...	10 10 11	
		210 15 2
Net Amount required		£1,989 4 10

The following Table shews the amount of Imports and Exports; the principal ports or places, British and Foreign, with which the Port of Cardiff has most trade; also general character of Imports and Exports. (Figures do not include Barry.)

TABLE VI.

Imports. (Tons and Loads).	Exports (Tons)	Total Imports and Exports (Tons)
1,839,619	8,562,582	10,402,201

Port or Place	Nature of Import.	Port or Place	Nature of Export
Spanish and Mediterranean ... Ports	Iron Ore.	All Countries and Local Ports	Coal.
U.S.A. Ports	Pig iron and Iron		Coke.
Baltic Ports, U.S.A. and ... Canada	Timber and Deals		Patent Fuel.
France, Spain and Portugal also Irish Ports	Pitwood;		Iron and Steel Rails and Iron Work.
U.S.A., Canada, Australia, ... and Local Ports.	Grain and Flour.		General Merchandise.
U.S.A., Canada, Australia, ... and Local Ports	General Merchandise.		
Norway	Wood Pulp.		
Irish Ports	Potatoes.		
River Plate, Australia and ... New Zealand	Frozen and Chilled Meat.		
Spain	Fruit.		

INSPECTION OF SHIPPING.

During the year, seven thousand, seven hundred and sixty-nine vessels were inspected on arrival. Five thousand, one hundred and ninety-eight extra inspections were made of work in hand and ships in dock, making a total of twelve thousand, nine hundred and sixty-seven inspections.

Two hundred and seven written notices were served on Masters of vessels in respect of nuisances; seven hundred and fifty-five verbal orders were given, and twenty-one letters were sent to Owners or their representatives in this country in connection with nuisances and sanitary defects on board ships.

One hundred and seventy samples of drinking water from vessels entering this Port, were taken and submitted to the Bacteriologist at the Cardiff and County Public Laboratory for examina-

tion. One hundred and nineteen were found to be of good or moderate quality, and fifty-one of doubtful purity or contaminated.

Fifty-one notices were served on Masters of vessels having doubtful or contaminated water on board for drinking and domestic purposes, as the result of these examinations. All tanks containing impure water were emptied and cleansed, and a fresh supply taken on board.

Six thousand, eight hundred and sixty-eight articles of clothing belonging to seamen were disinfected by the Port Sanitary Authority, and five hundred and eighty-nine dirty or infected beds and other articles were destroyed.

The following Table shews the amount of Shipping entering the Port during the year :—

TABLE VII.

		Number	Tonnage	Number Inspected		Number reported defective	Number of Orders Issued:
				Medical Officer of Health	Inspector of Nuisances		
From Foreign	Steamers ...	...	...	90	2,193	407	407
	Sailing	...	...	10	554	55	55
	Motor	...	...	...	63	18	18
	Fishing	...	...	...	17	1	1
	Total from Foreign	2,914	2,480,977	100	2,827	481	481
Coastwise	Steamers ...	...	...	25	3,662	361	361
	Sailing	...	...	6	768	29	29
	Motor	...	...	...	130	5	5
	Fishing	...	...	...	382	4	4
	Total Coastwise ...	8,385	3,261,803	31	4,942	399	399
Total Foreign and Coastwise ...		11,299	5,742,780	131	7,769	880	880

The systematic inspection of shipping in the Bute and Penarth Docks has been carried out with great efficiency and to my entire satisfaction by the Chief Inspector, David Jenkins and Staff.

The following is a Summary of the routine duty of the Staff of the Medical Officer of Health :—

(1) EAST AND WEST BASINS, MOUNT STUART DRY DOCKS, AND CANAL.—One Inspector on duty from four hours flood on each tide until the gates are closed, and all vesssels boarded. All vessels are boarded on arrival, whether from Foreign or Coastwise, and enquiries made as to the health of the crew, and if there has been any sickness on the voyage. A copy of the Regulations as to Infectious Diseases is handed to every Master.

(2) ROATH BASIN AND CHANNEL DRY DOCKS.—One Inspector on duty from four hours flood on each tide until the gates are closed, and all vessels boarded and examined in the same manner as No. 1.

(3) QUEEN ALEXANDRA DOCK.—Two Inspectors, one by day and one by night, from two hours flood until the gates are closed, and all vessels boarded and examined in the same manner as Nos. 1 and 2.

(4) PENARTH DOCK, ELY HARBOUR, AND WINDSOR SLIPWAYS.—Two Inspectors, one by day and one by night, from two hours flood until the gates are closed, and all vessels boarded and examined in the same manner as Nos. 1, 2 and 3. In addition to tide work, the Inspectors on day duty at Nos. 3 and 4, also visits and examines the ships in these Docks, etc., for the purpose of ascertaining the Sanitary condition of each of the ships therein.

In addition to the above, Inspectors are on day work examining ships in docks, etc.

The Chief Inspector supervises the work and assists inspections, and carries out Statutory duties in accordance with the General "Order" of the Local Government Board, dated 21st December, 1910.

The annexed Tables will afford evidence of useful work performed by the Officers of the Port Sanitary Authority, and will show that the Inspection of Shipping in the Port has resulted in a great improvement in the Sanitary condition of the floating population.

The chief defects found on board ships were :—Defective side ports and prisms, bulkheads, floors, hawse pipes and cable-casings, defective stoves, funnels and flanges, ventilator cowls and ventilation, lighting and drainage, leaky decks, defective or unlined iron decks over bunks, causing damp beds, etc., defective lamps, water tanks and casks, also defective water-closets.

As a rule very little difficulty was experienced in obtaining compliance with the requirements of the Inspectors.

Shipowners and Masters willingly carry out the recommendations of the Port Sanitary Authority, with the result that the proportion of vessels having Sanitary defects amongst these which frequent the Port has decreased in a most marked manner.

Table shewing the number and nationalities of the vessels inspected on arrival during the year ended December 31st, 1920.

TABLE VIII.

NATIONALITY	STEAM	SAIL	MOTOR	TOTAL
American	55	5	...	60
Belgian	34	1	1	35
Brazilian	3	...	...	3
British...	4,666	765	133	5,564
Chilian	4	1	...	5
Danish	73	4	3	80
Dutch	83	6	4	93
Esthonian	...	2	...	2
Finnish	1	1	...	2
French	394	510	23	927
German	2	...	...	2
Greek	86	3	...	89
Italian	73	...	...	73
Japanese	40	...	...	40
Lettish	1	9	...	10
Moroccan	12	...	...	12
Norwegian	535	1	24	560
Peruvian	2	1	...	3
Portuguese	21	6	...	27
Roumanian	1	...	...	1
Russian	14	3	...	17
Spanish	97	1	2	100
Swedish	50	3	3	56
Uruguayan	7	...	...	7
Totals	6,254	1,322	193	7,769

The following Table shews the number and nationality of the vessels on which structural defects and other nuisances were detected :—

TABLE IX.

NATIONALITY.	Number of Ships.	Defective side ports and prams in forecastles and berths	Defective water closets.	Defective bulkheads and floors in forecastles and berths	Defective and leaky hawse pipes and cable casings in crew spaces	Defective or unlined iron decks over bunks in forecastles and berths	Defective stoves, funnels and flanges in crew spaces.	Defective ventilation to forecastles and berths	Defective ventilation to water closets.	Dirty water casks and tanks.	Defective water casks and tanks.	Defective lamps in crew spaces	Defective lighting to forecastles and berths	Defective cowls and ventilators to forecastles and berths	Defective drains, e to crew spaces	Leaky decks over forecastles and berths	Foul bilges and peaks.	Ship's stores kept in crew spaces.	Foul accumulations.	Water closets and paint lockers adjoining and ventilating into crew spaces.	Want of wooden floors in crew spaces	Dirty forecastles and berths.	Dirty water closets.	CASES.	REMEDIED.
American ...	19	...	1	5	...	...	...	25	3	2	1	...	2	1	...	...	5	...	6	1	...	3	7	62	27
Belgian ...	8	1	2	2	...	...	3	25	13	...	...	...	...	...	2	3	...	...	1	3	...	3	2	59	30
British ...	460	200	40	17	12	8	46	59	60	10	1	3	10	16	56	38	2	2	20	59	...	557	46	1262	1240
Chilian ...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	2	2
Danish ...	13	1	2	...	...	...	1	12	7	1	...	...	...	...	2	...	...	...	...	2	...	5	3	36	30
Dutch ...	22	5	...	1	...	1	1	20	9	2	1	...	2	1	10	...	1	...	2	9	...	8	3	76	67
Esthonian ...	2	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	2
Finnish ...	2	...	...	...	...	...	...	4	3	...	...	...	...	...	...	...	...	...	...	...	...	3	2	12	12
French ...	118	17	27	7	4	2	5	70	35	1	2	3	9	3	5	4	...	...	6	4	...	46	14	264	234
Greek ...	30	10	3	2	2	...	2	19	11	...	...	...	...	1	3	3	...	...	...	4	...	14	5	79	67
Italian ...	23	2	3	1	...	2	10	21	9	...	...	...	2	...	2	...	2	...	4	3	...	3	1	65	55
Japanese ...	4	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	2	...	...	6	...	10	10
Lettish ...	2	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	2	2
Moroccan ...	2	...	...	...	...	...	...	7	3	...	...	...	...	...	...	...	...	1	...	...	...	2	...	13	13
Norwegian ...	100	58	11	8	6	...	10	101	49	...	...	...	3	16	8	6	2	1	3	10	3	25	7	327	300
Peruvian ...	1	...	...	...	...	...	...	7	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	10	10
Portuguese ...	15	9	5	2	2	1	3	23	6	...	...	...	1	...	2	2	...	...	1	2	...	5	2	66	59
Roumanian ..	1	1	...	...	2	1	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	3	...	9	9
Russian ...	4	...	1	...	...	...	1	2	3	...	...	...	...	...	...	1	...	...	1	...	...	3	...	12	12
Spanish ...	35	11	4	...	15	3	4	25	26	...	...	2	1	3	...	1	...	...	...	...	...	11	4	110	99
Swedish ...	14	1	...	...	...	...	...	6	14	...	...	...	...	...	1	1	...	...	...	1	...	2	...	26	25
Uruguayan ...	3	2	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	1	1	...	1	...	7	7
Totals ...	880	318	99	45	43	18	86	428	255	16	5	8	31	41	92	60	12	5	49	99	3	701	96	2511	2312

BACTERIOLOGICAL EXAMINATION OF WATER SUPPLY.

TABLE X.

The following Table gives the results of examination by Mr. J. H. Sugden, M.Sc., F.I.C., at the Cardiff and County Health Laboratory, of one hundred and seventy samples of drinking water from vessels taking water at this port during the year ended December 31st, 1920.

DATE 1920	NAME OF SHIP.	NATIONALITY.	NUMBER OF SAMPLES AND WHERE OBTAINED.	RESULT OF EXAMINATION
Jan. 5	s.s. "Hambleton Range" ...	British ...	1 New York	Satisfactory
,, 6	s.s. "Bermuda" ...	British ...	1 Durban (Forepeak Tank) ...	Doubtful Purity
,, 6	s.s. "Bermuda" ...	British ...	1 Corcubion (Main Tank) ...	Moderate Purity
,, 7	s.s. "Perregaux" ...	French ...	1 Nantes	Moderate Purity
,, 14	s.s. "Sydfold" ...	Norwegian	1 Hamburg	Satisfactory
,, 14	s.s. "Inveresk" ...	British ...	1 Oporto (Tank in Galley) ...	Contaminated
,, 14	s.s. "Euterpe" ...	British ...	1 Aguillas	Satisfactory
,, 15	s.s. "Gardenia" ...	Italian ...	1 Naples	Satisfactory
,, 15	"Cora F. Cressy" ...	American ...	1 Rio de Janeiro and Rotterdam	Contaminated
,, 16	s.s. "Inveresk" ...	British ...	1 Oporto (Main Tank)	Contaminated
,, 20	s.s. "Banderas" ...	Spanish ...	1 Vigo	Satisfactory
,, 20	s.s. "Fernhill" ...	British ...	1 Bilbao	Moderate Purity
,, 21	s.s. "Trevelyan" ...	British ...	1 Gibraltar and Newcastle ...	Doubtful Purity
,, 26.	s.s. "Mylie"	British ...	1 Valencia	Moderate Purity
,, 26	s.s. "Albando" ...	Spanish ...	1 Santander	Contaminated
,, 28	s.s. "Fountains Abbey"	British ...	1 Vigo and Bilbao	Satisfactory
Feb. 2	s.s. "Newquay" ...	British ...	1 Savona	Satisfactory
,, 3	s.s. "Franktor" ...	British ...	1 Trieste	Satisfactory
,, 3	s.s. "Noord Brabant"	Dutch ...	1 Rotterdam	Moderate Purity
,, 5	s.s. "Sibir"	British ...	1 Antwerp	Doubtful Purity
,, 9	s.s. "Angel B. Perez"	Spanish ...	1 Bilbao	Satisfactory
,, 10	s.s. "Dailwen" ...	British ...	1 St. John, N.B.	Satisfactory

TABLE X.—*continued.*

DATE 1920	NAME OF SHIP.	NATIONALITY.	NUMBER OF SAMPLES AND WHERE OBTAINED.	RESULT OF EXAMINATION.
Feb. 10	s.s. "Franz Wilke" ...	British ...	1 St. Vincent, C.V.	Satisfactory
,, 18	s.s. "Isbjorn" ...	Norwegian	1 Santander	Moderate Purity
,, 19	s.s. "Taubate" ...	Brazilian ...	1 Bordeaux	Moderate Purity
,, 20	s.s. "David Lloyd George" ...	British ...	1 Port Said	Satisfactory
,, 23	s.s. "Otta"	Norwegian	1 Bilbao	Moderate Purity
,, 26	s.s. "Franziska" ...	British ...	1 Bahia Blanca & St. Vincent ...	Satisfactory
Mar. 1	s.s. "Candiope" ...	Italian ...	1 Bordeaux	Satisfactory
,, 1	"Titan"	Portuguese	1 Oporto	Moderate Purity
,, 3	s.s. "Pacific Transport"	British ...	1 New York	Satisfactory
,, 4	s.s. "Christiansen Michelsen" ...	Norwegian	1 Hornillo	Satisfactory
,, 4	s.s. "Sonnenfels" ...	British ...	1 Cape Town	Satisfactory
,, 10	"Annette"	Esthonian	1 Trinidad	Doubtful Purity
,, 15	s.s. "Jessie"	Norwegian	1 Bilbao	Satisfactory
,, 16	s.s. "Spanker" ...	British ...	1 Santander	Moderate Purity
,, 17	s.s. "Berit"	Swedish ...	1 Port Talbot	Satisfactory
,, 17	s.s. "Simoom" ...	British ...	1 Bilbao	Doubtful Purity
,, 22	s.s. "Anorga" ...	Spanish ...	1 Passages and Bayonne ...	Satisfactory
,, 23	s.s. "Claymont" ...	British ...	1 Bilbao	Satisfactory
,, 29	"Ybaizabal" (Motor) ...	Spanish ...	1 Bilbao	Contaminated
,, 30	s.s. "Canastota" ...	British ...	1 Wallaroo and Durban ...	Satisfactory
,, 30	s.s. "Jules Hauzeur" ...	Belgian ...	1 Bayonne	Doubtful Purity
,, 31	s.s. "Buranda" ...	British ...	1 Rosario and St. Vincent ...	Satisfactory
April 8	s.s. "Glamorgan" ...	British ...	1 Bahia Blanca, St. Vincent, C.V., and Las Palmas	Contaminated
,, 8	s.s. "Camerata" ...	British ...	1 Buenos Aires	Satisfactory
,, 9	s.s. "Sunray" ...	British ...	1 Lisbon	Contaminated
,, 12	s.s. "Kohyo Maru" ...	Japanese ...	1 Dunkirk	Satisfactory

TABLE X.—*continued.*

DATE 1920	NAME OF SHIP.	NATIONALITY.	NUMBER OF SAMPLES AND WHERE OBTAINED.	RESULT OF EXAMINATION
April 12	s.s. "Oakwin" ...	British ...	1 Huelva	Doubtful Purity
,, 15	s.s. "Southport" ...	British ...	1 Trieste	Satisfactory
,, 19	s.s. "Norburn" ...	British ...	1 Newport	Satisfactory
,, 21	s.s. "Nolisement" ...	British ...	1 Marseilles	Satisfactory
,, 23	s.s. "Graciana" ...	British ...	1 New York and Halifax ...	Satisfactory
,, 23	s.s. "Nordnaes" ...	Norwegian	1 Nantes and Bilbao	Satisfactory
,, 27	s.s. "Berenice" ...	French ...	1 Bayonne	Satisfactory
,, 27	"Margaret Haney" (Motor) ...	British ...	1 Marseilles, Oran, Gibraltar, Dunkirk and Antwerp ...	Satisfactory
,, 29	s.s. "Gyp"	British ...	1 Las Palmas	Satisfactory
,, 29	s.s. "Roger de Flor" ...	Spanish ...	1 Bilbao	Satisfactory
May 3	s.s. "Tanfield" ...	British ...	1 Middlesbrough and Port Said	Satisfactory
,, 3	s.s. "Beltoy" ...	British ...	1 Santander	Moderate Purity
,, 6	"Haraughi"	Greek ...	1 Brest	Moderate Purity
,, 5	s.s. "Loyal Devonian"	British ...	1 Bougie	Doubtful Purity
,, 11	s.s. "Tres Hermanos"	Spanish ...	1 Muros	Satisfactory
,, 11	s.s. "Tintern Abbey" ...	British ...	1 Cardiff and Bilbao	Satisfactory
,, 17	s.s. "Ryburn" ...	British ...	1 Bilbao	Moderate Purity
,, 17	s.s. "Arachne" ...	British ...	1 Bilbao	Satisfactory
,, 19	s.s. "Notanda" ...	British ...	1 St. Vincent, C.V.	Moderate Purity
,, 26	s.s. "Atto"	British ...	1 Durban	Satisfactory
,, 31	s.s. "Citta di Lecce" ...	Italian ...	1 Oporto	Contaminated
June 2	s.s. "Collingham" ...	British ...	1 Bilbao	Contaminated
,, 2	s.s. "Frank Delmas" ...	French ...	1 Bilbao	Satisfactory
,, 8	s.s. "Hellas" ...	Norwegian	1 Bordeaux	Contaminated
,, 14	s.s. "Rudelsburg" ...	British ...	1 Durban and Cape Town ...	Satisfactory
,, 18	s.s. "Boscombe Chine"	British ...	1 Bordeaux	Satisfactory

TABLE X.—*continued.*

DATE 1920	NAME OF SHIP.	NATIONALITY.	NUMBER OF SAMPLES AND WHERE OBTAINED.	RESULT OF EXAMINATION
June 18	s.s. " Waddon " ...	British ...	1 Hornillo	Satisfactory
,, 22	s.s. "Goffredo Mameli "	Italian ...	1 Taranto	Satisfactory
,, 22	s.s. " Cornhill " ...	British ...	1 Sables	Satisfactory
,, 22	s.s. " Gweneth " ...	British ...	1 London	Satisfactory
,, 23	s.s. " Beechleaf " ...	British ...	1 New Orleans	Satisfactory
,, 23	s.s. " Osten "	Swedish ...	1 Bougie	Satisfactory
,, 24	s.s. " Portrushton " ...	British ...	1 Hull	Satisfactory
,, 28	s.s. " Cresalubi " ...	Spanish ...	1 Santander	Moderate Purity
,, 28	s.s. " Rees Llewellyn " ...	British ...	1 La Pallice	Moderate Purity
,, 29	s.s. " Jotunfjell " ...	Norwegian	1 Bilbao	Satisfactory
July 5	" Amazon "	American ...	1 Halifax, N.S.	Satisfactory
,, 5	s.s. " Huldra " ...	Norwegian	1 Bayonne	Satisfactory
,, 7	s.s. " Melton "... ...	British ...	1 Bilbao	Satisfactory
,, 9	s.s. " Meta "	Swedish ...	1 Gothenburg	Satisfactory
,, 9	" Cabo Mondego " ...	Portuguese	1 Oporto	Contaminated
,, 13	s.s. " Trehawke " ...	British ...	1 Rio de Janeiro (Starboard Tank) ...	Satisfactory
,, 15	s.s. " Trehawke " ...	British ...	1 Las Palmas (Port Tank) ...	Contaminated
,, 16	s.s. " Clintonia " ...	British ...	1 Bilbao	Satisfactory
,, 16	s.s. " Maridal " ...	Norwegian	1 Bilbao	Contaminated
,, 19	s.s. " Canadian Voyageur " ...	British ...	1 Montreal	Satisfactory
,, 19	s.s. " Pengreep " ...	British ...	1 Buenos Aires	Satisfactory
,, 21	s.s. " Joanna " ...	British ...	1 Marseilles	Satisfactory
,, 21	s.s. " Wye Crag " ...	British ...	1 Bilbao	Satisfactory
,, 22	" Prima "	Dutch ...	1 Oporto	Contaminated
,, 22	s.s. " Tasmanian Transport " ...	British ...	1 Antwerp	Satisfactory
,, 23	s.s. " Solferino " ...	Norwegian	1 Drammen	Contaminated

TABLE X.—*continued.*

DATE 1920	NAME OF SHIP.	NATIONALITY.	NUMBER OF SAMPLES AND WHERE OBTAINED.	RESULT OF EXAMINATION.
July 23	s.s. " Benjamin " ...	Uruguayan	1 Blaye	Contaminated
,, 26	s.s. " Sheaf Lance " ...	British ...	1 Kemi	Doubtful Purity
,, 26	" Roma "	Russian ...	1 Oporto	Contaminated
,, 27	s.s. " Alstad " ...	Norwegian	1 Bordeaux	Satisfactory
,, 29	s.s. " Bueland " ...	Norwegian	1 Bordeaux	Contaminated
,, 29	s.s. " Genesee " ...	British ...	1 London & Bilbao	Satisfactory
Aug. 9	s.s. " Sheafspear " ...	British ...	1 Ha-Ha-Bay	Contaminated
,, 9	s.s. " Nolisement " ...	British ...	1 Galveston and Pensacola ...	Contaminated
,, 9	s.s. " Dora "	British ...	1 Malta	Satisfactory
,, 9	s.s. " Eustratios " ...	Greek ...	1 Sunderland	Satisfactory
,, 12	s.s. " Espana, No. 1 " ...	Spanish ...	1 Bilbao	Contaminated
,, 13	s.s. " Jura "	French ...	1 Bayonne	Satisfactory
,, 13	s.s. " Karen Rogenaes "	Norwegian	1 Rotterdam	Contaminated
,, 16	s.s. " Zwijndrecht " ...	Dutch ...	1 Grangemouth and Domsjo ...	Satisfactory
,, 16	s.s. " Wartburg " ...	British ...	1 Pensacola and Galveston ...	Satisfactory
,, 18	s.s. " Bovra "	Norwegian	1 Bilbao	Contaminated
,, 18	s.s. " Stamboul " ...	Norwegian	1 Bilbao	Moderate Purity
,, 23	s.s. Speedwell " ...	British ...	1 Port Talbot and Villagarcia ...	Doubtful Purity
,, 23	s.s. " Maindy Priory " ...	British ...	1 Newport and Bordeaux ...	Doubtful Purity
,, 30	s.s. " Sines "	Portuguese	1 Portomaurizio	Satisfactory
,, 30	s.s. " Bizkargi Mendi " ...	Spanish ...	1 Bilbao	Moderate Purity
,, 30	s.s. " Abaris " ...	British ...	1 Bordeaux and Bilbao ...	Doubtful Purity
,, 31	s.s. " Klosterfos " ...	Norwegian	1 Cardiff	Satisfactory
,, 31	s.s. " Wellington " ...	British ...	1 Villagarcia "...	Moderate Purity
Sept. 1	s.s. " Southlea " ...	British ...	1 Malmo and Jacobstadt (Port Tank) ...	Satisfactory
,, 1	s.s. " Southlea " ...	British ...	1 Malmo (Starboard Tank) ...	Satisfactory

TABLE X.—*continued.*

DATE 1920	NAME OF SHIP.	NATIONALITY.	NUMBER OF SAMPLES AND WHERE OBTAINED.	RESULT OF EXAMINATION
Sept. 2	s.s. "Conde de Abasola"	Spanish ...	1 Palma	Moderate Purity
,, 2	s.s. "Llangorse" ...	British ...	1 Catania	Doubtful Purity
,, 6	s.s. "Lancelot" ...	Norwegian	1 St. Servan	Doubtful Purity
,, 7	s.s. "Dio"	American ...	1 Mobile	Contaminated
,, 7	s.s. "Monkton" ...	British ...	1 Korsoe	Satisfactory
,, 8	s.s. "Alexandra" ...	Greek ...	1 Bilbao and Dover	Satisfactory
,, 13	Motor "Krammer" ...	Dutch ...	1 Rotterdam and Arcachon ...	Doubtful Purity
,, 14	s.s. "Gwladys" ...	British ...	1 West Hartlepool	Satisfactory
,, 20	s.s. "River Wye" ...	British ...	1 Alexandria and Melilla ...	Contaminated
,, 23	s.s. "Jose Vilallonga" ...	Spanish ...	1 Bilbao	Satisfactory
,, 23	s.s. "Polglass Castle" ...	British ...	1 Newport News	Satisfactory
,, 27	s.s. "Amarante" ...	Portuguese	1 Naples	Moderate Purity
,, 27	s.s. "Picton" ...	British ...	1 Galveston and Norfolk, Va. ...	Satisfactory
,, 27	s.s. "Modig"	Norwegian	1 Galveston	Contaminated
Oct. 4	s.s. "Gibel Derif" ...	British ...	1 Gibraltar	Satisfactory
,, 6	s.s. "Admiral Hamilton"	British ...	1 Braila	Satisfactory
,, 11	Motor "Rubens" ...	French ...	1 La Rochelle	Satisfactory
,, 11	s.s. "Skeldon" ...	British ...	1 Bilbao	Moderate Purity
,, 18	s.s. "August Wilke" ...	British ...	1 Sydney	Satisfactory
,, 19	s.s. "Elanchove" ...	Spanish ...	1 Helsingborg	Satisfactory
,, 25	s.s. "Hild"	Norwegian	1 Bilbao	Moderate Purity
,, 25	Motor "Balboa" ...	Swedish ...	1 Bahia Blanca	Satisfactory
,, 26	s.s. "Vikso"	Norwegian	1 Memel	Doubtful Purity
,, 26	s.s. "J. L. Lassen" ...	British ...	1 Miramichi	Satisfactory
,, 27	s.s. "Polish Monarch"	British ...	1 Havre	Satisfactory
,, 27	Motor "Nidelv" ...	Norwegian	1 Gothenburg, Arendal and Wexford ...	Moderate Purity

TABLE X.—*continued.*

DATE 1920	NAME OF SHIP.	NATIONALITY.	NUMBER OF SAMPLES AND WHERE OBTAINED.	RESULT OF EXAMINATION
Nov. 1	s.s. "Madge Llewellyn"	British ...	1 Nantes and Bilbao	Satisfactory
„ 2	s.s. "Mercer" ...	American ...	1 Malta and Brest	Doubtful Purity
„ 10	s.s. "Wedgwood" ...	British ...	1 London	Doubtful Purity
„ 10	s.s. "Jern"	Norwegian	1 Honfleur	Contaminated
„ 11	s.s. "Tonesit" ...	American ...	1 Stockholm	Satisfactory
„ 15	s.s. "Norwich City" ...	British ...	1 Newport News	Satisfactory
„ 22	s.s. "Calfat"	French ...	1 Pauillac	Moderate Purity
„ 22	s.s. "Roverbella" ...	Italian ...	1 Melilla and Gibraltar... ...	Doubtful Purity
„ 22	s.s. "Veerhaven" ...	Dutch ...	1 Bilbao	Contaminated
„ 23	s.s. "Hillegom" ...	Dutch ...	1 Bilbao	Contaminated
„ 23	s.s. "Mirentxu" ...	Spanish ...	1 Bilbao	Moderate Purity
„ 24	s.s. "Meta"	Swedish ...	1 Gothenburg	Satisfactory
„ 25	s.s. "Marie Rose" ...	British ...	1 St. Nazaire	Doubtful Purity
„ 29	s.s. "Motrico" ...	Spanish ...	1 Copenhagen	Moderate Purity
„ 30	s.s. "Singapore" ...	British ...	1 St. Nazaire	Satisfactory
Dec. 6	s.s. "Eugenia" ...	Greek ...	1 Algiers	Satisfactory
„ 7	s.s. "Panaghis Vergottis" ...	Greek ...	1 Bordeaux	Contaminated
„ 9	s.s. "Oakfield" ...	British ...	1 La Pallice	Doubtful Purity

FOOD INSPECTION.

The Public Health (Regulations as to Food) Act of 1907, gave powers to the Local Government Board to make regulations under the Public Health Act, 1896, to prevent danger arising to the public health from the importation, preparation, storage and distribution of articles of food or drink (other than drugs and water) intended for sale for human consumption.

Two sets of regulations were issued by the Board, one dealing with unsound Food, and the other with Foreign Meat. An amending Regulation relating to Foreign Meat was issued on the 27th September, 1909, which came into force three days later.

The first set of Regulations is called the Public Health (first series Unsound Food) Regulations, which came into force on the 1st October, 1908. These provide that articles of food which are unsound, unwholesome and unfit for human consumption, and which, as part of the cargo of a ship, are brought to a place in this country, either as a place of deposit or for transmission elsewhere in this country, shall be dealt with at the port of discharge.

The Medical Officer of Health is authorised by Art. IV. to examine articles of food which have been landed within the district, and if necessary to examine such articles before they are landed.

Power of taking samples is conferred by Art. VIII., and special examinations may be made at the laboratory. Power is also given under the same Art. for the temporary detention of consignments pending the completion of the examination.

The Public Health (Foreign Meat) Regulations of 1908, came into force on the 1st January, 1909. Art. 1 of these Regulations has been repealed, and Class I. has been altered by the Amending Regulations, dated 27th September, 1909, and is designed to deal with foreign meat in the form of scraps, trimmings or other pieces (whether with or without bone). These also deal with imported tripe, tongues and kidneys, to which certain chemical preservatives have been added, and with the several parts of a pig or other edible parts of a pig, not prepared in the manner in which bacon or ham is ordinarily prepared, and not contained in a box, case, receptacle, or package with an Official Certificate ; or of several parts of a pig which have been prepared as bacon or ham, and are not contained in a box with an Official Certificate ; and are without the lymphatic glands about those parts in their natural position ; or of meat which whether derived from cattle or pig is in the form of a carcase, or part thereof, comprising the ribs, and is without such membrane as, in its natural position, form the lining of the cavity enclosed by the ribs.

These classes of meat are enumerated under the heading of Foreign *Meat Class I*, and the importer is required within three days, at his own expense to export the same, unless he can prove to the satisfaction of a Magistrate that it is not intended for human food, the meat is required to be destroyed under the supervision of the Medical Officer of Health.

Carcases of pigs without the head in its natural state of attachment, or is without the lymphatic glands about the throat, or any other part of the carcase, in their natural position, rendering it difficult to detect the evidence of tuberculosis, are styled Foreign *Meat Class II.*, and are dealt with in the same manner as *Class I.*

The expression Foreign Meat of Class III. consists of several parts of the carcase of a pig, not in the form of scrap, trimmings, etc., and which is contained in a box, case, receptacle, or package with an Official Certificate from a Competent Authority, indicating that the contents are prepared from pigs free from disease at the time of slaughter, dressed and packed with careful observance as required.

Unclassed Foreign Meat, means foreign meat of a kind, which does not bring it under any of the previous mentioned Classes.

Class III. and Unclassed are not detained by the Officers of Customs, unless requested to do so by the Medical Officer of Health, or are of opinion that the meat is in bad condition, and should be examined by the Medical Officer of Health.

In carrying out these Regulations, the Officers of Customs and Excise and your Inspectors, have worked harmoniously together; the former rendering every assistance possible to the Officers of the Port Sanitary Authority in examining imported meat and other goods, and in reporting any matter which may come to their notice, requiring the attention of the Medical Officer of Health.

The officers appointed by your Authority are carrying out the provisions of the Regulations with zeal and discretion, and entirely to my satisfaction. A large quantity of unsound food was destroyed, or otherwise dealt with during the year, without having to resort to legal proceedings.

In order to facilitate administrative action under Article VI. of the Foreign Meat Regulations, the following resolution was passed by the Sanitary Authority:—

"HEALTH AND PORT SANITARY COMMITTEE,

19th January, 1909.

PUBLIC HEALTH (FOREIGN MEAT) REGULATIONS, 1909.—*Resolved.*—That the Town Clerk be authorised, on behalf of the Council, acting as the Port Sanitary Authority, from time to time, within twelve hours after the receipt of a copy of a notice by the Medical Officer of Health, as mentioned in Article VI. (Notice by Sanitary Authority to Importer) of the Public Health (Foreign Meat) Regulations, 1908, to make out, complete, sign, and give all notices to importers under the said Article of the said Order."

The following Table shews the quantity of Frozen Meat, the due inspection of which forms part of the duty of the Officers appointed under the Public Health (Foreign Meat) Regulations of 1908 and 1909 respectively. Five vessels arrived and landed Frozen Meat at the Port during the year and nineteen vessels landed Fresh Meat at this Port from Wexford (Ireland) during the year ended December 31st, 1920.

TABLE XI.

Date. 1920.	Name of Vessel and where from.	Beef.			Mutton.				Lambs.	Offal. (Bags & boxes.)
		Fore quarters	Hind quarters	Sides	Carcases	Trunks	Legs (pairs)	Pieces		
Feb. 6	s.s. "Paparoa" ... ... Wellington, N.Z., *via* London.	...	...	...	10,016	...	...	...	52,941	...
„ 28	s.s. "Hororata" ... ... Wellington *via* Halifax and London.	3,764	3,843	...	70,683	98	73	1,765	17,112	336
April 9	s.s. "Pakcha" ... ... Auckland, N.Z., *via* London.	...	...	...	...	51	...	...	45,725	2,964
„ 17	s.s. "Brodhurst" ... ... Hamburg *via* Hook of Holland. (Meat originally from River Plate).	...	...	...	...	...	...	...	...	100 tons
July 14	s.s. "Montilla" ... ... Zarate (River Plate) *via* Bremerhaven.	4,707	5,482	...	...	...	...	...	...	...
			FRESH MEAT.							
Aug. 11	s.s. "Lunesdale" (Wexford)	50	50	20	37	...	...	...	...	44
„ 19	Do. do. ...	...	...	76	87	...	...	...	...	45
„ 26	Do. do. ...	78	78	...	76	...	...	...	...	32
„ 30	Do. do. ...	66	66	...	...	...	...	...	...	41
Sept. 2	Do. do. ...	84	84	1 calf	59	...	...	...	...	34
„ 10	Do. do. ...	108	108	...	61	...	...	...	...	49
„ 16	Do. do. ...	97	97	...	54	...	...	...	...	7
„ 23	Do. do. ...	122	122	...	51	...	...	...	...	51
Oct. 1	Do. do. ...	112	112	...	38	...	...	...	...	52
„ 7	s.s. "Elsie Annie"	81	81	...	13	...	...	...	...	37
„ 14	s.s. "Lunesdale"	127	127	...	36	...	...	...	...	53
Nov. 4	Do.	119	119	...	26	...	...	...	...	42
„ 10	s.s. "Active"	110	110	...	19	...	...	...	...	35
„ 12	s.s. "Blarney" ... ... (Cork.)	...	...	...	...	...	...	...	...	11 casks
„ 17	s.s. "Aetive" (Wexford) ...	112	112	...	...	...	...	...	...	37
„ 26	s.s. "Cheviot"	180	180	...	39	...	...	...	...	86
Dec. 1	s.s. "Active"	137	137	...	40	...	...	...	...	55
„ 9	Do.	59	52	...	45	...	...	...	...	37
„ 20	s.s. "Clint"	...	...	22	104	...	...	...	...	30
	Totals	10,113	10,960	118 & 1 calf	81,484	149	73	1,765	115,778	4,078 & 100 tons

THE PUBLIC HEALTH (REGULATIONS AS TO FOOD) ACT, 1907.

The following Table gives particulars of food dealt with during the year ended December 31st, 1920, under the Unsound Food and Foreign Meat Regulations.

TABLE XII.

DESCRIPTION OF ARTICLES DESTROYED OR OTHERWISE DEALT WITH.	TONS	CWTS.	LBS.
Apples (Raw)	...	2	0
Apricots (Canned)	...	...	16
Beef (Canned)	...	11	28
Beef (Fresh)	...	1	82
Beef (Salted)	...	10	82
Fish	3	8	0
Fruit Pulp	...	9	62
Grapes	5	4	7
Herrings (Canned)	...	...	12
Melons	...	9	56
Milk, Condensed	...	15	92½
Mutton and Lamb (Frozen)	4	2	71
Offal (Fresh)	2	10	101
Offal (Frozen)	4	7	106
Onions	84	10	56
Oranges	61	1	0
Plums (Canned)	...	6	110
Pork and Beans (Canned)	8	3	76
Potatoes	27	3	0
Poultry	...	...	109
Prunes	...	4	0
Raisins...	...	1	36
Soup and Bouilli (Canned)	...	...	54
Tomatoes (Canned)	210	2	29
Tomatoes (Raw)	...	10	28
Tongue, Lunch (Canned)	...	...	84
Total	414	19	63½

DISEASES OF ANIMALS ACTS, 1894 TO 1914.

(And the Orders of the Ministry of Agriculture and Fisheries made thereunder.)

THE CANINE ANIMALS ORDER, 1909, AND THE IMPORTATION OF DOGS ORDER, 1914.

During the year ended December 31st, 1920, 949 dogs were imported from foreign countries, either directly or indirectly.

In each case a copy of the Order was supplied to the Master or Officer in charge of the vessel on arrival, by an Officer of the Local Authority.

These Ships were visited regularly during their stay in Port to see that the requirements of the Order were carried out.

The following Table shews the particulars of proceedings taken at the Police Court, against the Masters of four vessels for infringement of Sec. 10 of the Importation of Dogs Order, 1914.

TABLE XIII.

Date. 1920.	Legal proceedings (cases)	Result
February 10th	1	£2 including costs
October 28th	1	£1 and £1 0s. 6d. costs
Do.	1	£1 and 10/- costs
Do.	1	£5 and 5/- costs
Totals	4	£10 15s. 6d.

FOREIGN ANIMALS ORDER, 1910.

During the year, sixty-four vessels arrived at this Port with the following animals on board from scheduled countries, either directly or indirectly, viz. :—Cattle, 25 ; Sheep, 94 ; Goats, 5; Swine, 58 ; Total, 182.

These ships were visited regularly to see that the Regulations of the Ministry of Agriculture and Fisheries were carried out.

When any of the ships left for another Port in Great Britain, the Authorities at those Ports were notified.

The following Table shews the particulars of proceedings taken at the Police Court against the Masters of thirty-one vessels for infringement of Article 2 of the Foreign Animals Order, 1910.

TABLE XIV.

Date. 1920.		Legal proceedings (cases)	Result.
January	8th	1	8/6 costs
,,	15th	1	Cautioned
,,	27th	2	17/- costs
February	3rd	1	Cautioned
,,	4th	1	3/6 costs
,,	19th	1	8/6 costs
,,	24th	1	8/6 costs
March	26th	1	8/6 costs
April	15th	1	16/- costs
May	14th	1	8/6 costs
June	9th	1	5/- costs
,,	29th	1	8/6 costs
,,	30th	1	Adjourned (Sine Die)
July	2nd	1	£1 and 3/6 costs
,,	8th	1	16/- costs
August	10th	1	8/6 costs
,,	13th	1	£2 and 7/- costs
,,	25th	1	9/- costs
September	9th	1	10/- costs
,,	14th	1	£1 0s. 6d. costs
,,	16th	1	10/- costs
,,	21st	3	£2 16s. 6d. costs
October	8th	1	10/- costs
,,	14th	1	£1 and 3/6 costs
,,	26th	1	£2 and 5/- costs
December	7th	2	15/- costs
,,	9th	1	7/6 costs
Totals	... ...	31	£19 14s. 6d.

ANNUAL REPORT OF D. JENKINS (CANAL BOAT INSPECTOR) FOR THE YEAR 1920.

Section 3 of the Canal Boats Act of 1884, provides that it shall be the duty of every Registration or Sanitary Authority within whose district any canal, or any part of a canal is situated, to enforce within such districts, the provisions of the principal Act, and this Act, and any Regulations made thereunder by the Local Government Board, and every such Authority shall within twenty-one days after the 31st of December in every year, make a report to the Local Government Board as to the execution of the principal Act, and this Act, and of the Regulations made thereunder as aforesaid, and as to the steps taken by such Authority during the year, to give effect to the provisions of the said Acts and Regulations.

(1) Canal Boats visited and inspected during the year 1920 60
Condition of Boats. Good 39
Infringements 21
Occupants of Boats ... ... All Males
Women and Children sleeping in Canal Boats ... ... Nil.

(2) Infringements :—

(*a*)	Registration	Nil.
(*b*)	Notification, Change of Master ...	Nil.
(*c*)	Certificates	Nil.
(*d*)	Marking	2
(*e*)	Overcrowding	Nil.
(*f*)	Separation of Sexes	Nil.
(*g*)	Cleanliness	8
(*h*)	Painting	8
(*i*)	Ventilation	Nil.
(*j*)	Water Vessels	Nil.
(*k*)	Removal of Bilge Water	Nil.
(*l*)	Notification of Infectious Diseases...	Nil.
(*m*)	Admittance of Inspector	Nil.
(*n*)	Defective Stoves and Chimneys ...	Nil.
(*o*)	Roofs leaking	3
(*p*)	Boats leaking	Nil.
(3)	Legal proceedings taken in respect of infringements	Nil.
(4)	Any other steps taken to secure compliance with the Acts and Regulations ? Yes, Verbal and Written Notices.	
(5)	Detention of Boats for cleansing and disinfecting	Nil.
(6)	Number of Boats on Register ...	14
(7)	Number of Boats registered during the year 1920 :—	
	(*a*) Motor propelled boats ...	Nil.
	(*b*) Other boats rendered necessary by alterations and change of owners	Nil.
(8)	Removal from Register	Nil.
(9)	Number of Boats believed to be in use or serviceable	14
	*(*a*) Motor propelled Boats ...	1
	(*b*) Not propelled by motor ...	13
(10)	Number of boats that cannot be traced	Nil.
(11)	Boats with accommodation for two males	13
(12)	Boats with accommodation for three males	1

* This boat has not been in use since the outbreak of War.

With regard to the Glamorganshire Canal, the upper section, north of Pontypridd, still remains closed ; also the Aberdare Canal ; both sections having been closed owing to Colliery subsidence.

The breach which took place in the canal at Cilfynydd, south of the Albion Colliery, in July, 1915, has not yet been repaired, therefore the Company is unable to carry goods above Pontypridd. Subsidence is still causing a great deal of trouble and expense on this section.

The sanitary condition of the boats is on the whole satisfactory.

The lighters engaged in carrying grain, patent fuel, etc., in the docks, have been periodically examined, cleansed, disinfected and repaired during the year.

The fishing boats, also the fish wharves, have been regularly visited, cleansed and disinfected.

I wish to record my thanks for the valuable assistance given by H.M. Collector of Customs, also Waterguard Superintendent and Staff ; also to the Dock Masters of the Cardiff and Penarth Docks and their Officers, as well as to the Chief of the Cardiff Railway Company Police and his Staff, which has been greatly appreciated by all the Officials of the Medical Officer of Health's Department.

I have the honour to be, Gentlemen,

Your obedient Servant,

EDWARD WALFORD,

Medical Officer of Health for the Cardiff Port Sanitary District.